

**Fishery Management Report No. 09-33**

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**Annual Summary of the Commercial, Subsistence, and  
Personal Use Salmon Fisheries and Salmon  
Escapements in the Alaska Peninsula, Aleutian Islands,  
and Atka-Amlia Islands Management Areas, 2008**

by

**Trent G. Hartill**

August 2009

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Alaska Department of Fish and Game

Divisions of Sport Fish and Commercial Fisheries



## Symbols and Abbreviations

The following symbols and abbreviations, and others approved for the Système International d'Unités (SI), are used without definition in the following reports by the Divisions of Sport Fish and of Commercial Fisheries: Fishery Manuscripts, Fishery Data Series Reports, Fishery Management Reports, and Special Publications. All others, including deviations from definitions listed below, are noted in the text at first mention, as well as in the titles or footnotes of tables, and in figure or figure captions.

|   |                    |  |   |   |                         |
|---|--------------------|--|---|---|-------------------------|
| <b>Weights and measures (metric)</b>    |                    | <b>General</b>                                   |   | <b>Measures (fisheries)</b>   |                         |
| centimeter                              | cm                 | Alaska Administrative Code                       | AAC   | fork length   | FL                      |
| deciliter                               | dL                 | all commonly accepted abbreviations              | e.g., Mr., Mrs., AM, PM, etc.               | mid-eye to fork   | MEF                     |
| gram                                    | g                  | all commonly accepted professional titles        | e.g., Dr., Ph.D., R.N., etc.                | mid-eye to tail fork  | METF                    |
| hectare                                 | ha                 | at   | @   | standard length   | SL                      |
| kilogram                                | kg                 | compass directions:                              |   | total length  | TL                      |
| kilometer                               | km                 | east   | E   |   |                         |
| liter                                   | L                  | north  | N   | <b>Mathematics, statistics</b>  |                         |
| meter                                   | m                  | south  | S   | <i>all standard mathematical signs, symbols and abbreviations</i>             |                         |
| milliliter                              | mL                 | west   | W   | alternate hypothesis  | H <sub>A</sub>          |
| millimeter                              | mm                 | copyright  | ©   | base of natural logarithm   | <i>e</i>                |
|   |                    | corporate suffixes:                              |   | catch per unit effort   | CPUE                    |
| <b>Weights and measures (English)</b>   |                    | Company  | Co.   | coefficient of variation  | CV                      |
| cubic feet per second                   | ft <sup>3</sup> /s | Corporation                                      | Corp.                                       | common test statistics  | (F, t, $\chi^2$ , etc.) |
| foot                                    | ft                 | Incorporated                                     | Inc.  | confidence interval   | CI                      |
| gallon                                  | gal                | Limited  | Ltd.  | correlation coefficient (multiple)  | R                       |
| inch                                    | in                 | District of Columbia                             | D.C.  | correlation coefficient (simple)  | r                       |
| mile                                    | mi                 | et alii (and others)                             | et al.                                      | covariance  | cov                     |
| nautical mile                           | nmi                | et cetera (and so forth)                         | etc.  | degree (angular)  | °                       |
| ounce                                   | oz                 | exempli gratia (for example)                     | e.g.  | degrees of freedom  | df                      |
| pound                                   | lb                 | Federal Information Code                         | FIC   | expected value  | <i>E</i>                |
| quart                                   | qt                 | id est (that is)                                 | i.e.  | greater than  | >                       |
| yard                                    | yd                 | latitude or longitude                            | lat. or long.                               | greater than or equal to  | ≥                       |
|   |                    | monetary symbols (U.S.)                          | \$, ¢                                       | harvest per unit effort   | HPUE                    |
| <b>Time and temperature</b>             |                    | months (tables and figures): first three letters | Jan,...,Dec                                 | less than   | <                       |
| day                                     | d                  | registered trademark                             | ®   | less than or equal to   | ≤                       |
| degrees Celsius                         | °C                 | trademark  | ™   | logarithm (natural)   | ln                      |
| degrees Fahrenheit                      | °F                 | United States (adjective)                        | U.S.  | logarithm (base 10)   | log                     |
| degrees kelvin                          | K                  | United States of America (noun)                  | USA   | logarithm (specify base)  | log <sub>2</sub> etc.   |
| hour                                    | h                  | U.S.C.   | United States Code                          | minute (angular)  | '                       |
| hour                                    | h                  | U.S. state                                       | use two-letter abbreviations (e.g., AK, WA) | not significant   | NS                      |
| minute                                  | min                |  |   | null hypothesis   | H <sub>0</sub>          |
| second                                  | s                  |  |   | percent   | %                       |
| <b>Physics and chemistry</b>            |                    |  |   | probability   | P                       |
| all atomic symbols                      |                    |  |   | probability of a type I error (rejection of the null hypothesis when true)    | $\alpha$                |
| alternating current                     | AC                 |  |   | probability of a type II error (acceptance of the null hypothesis when false) | $\beta$                 |
| ampere                                  | A                  |  |   | second (angular)  | "                       |
| calorie                                 | cal                |  |   | standard deviation  | SD                      |
| direct current                          | DC                 |  |   | standard error  | SE                      |
| hertz                                   | Hz                 |  |   | variance  |                         |
| horsepower                              | hp                 |  |   | population  | Var                     |
| hydrogen ion activity (negative log of) | pH                 |  |   | sample  | var                     |
| parts per million                       | ppm                |  |   |   |                         |
| parts per thousand                      | ppt, ‰             |  |   |   |                         |
| volts                                   | V                  |  |   |   |                         |
| watts                                   | W                  |  |   |   |                         |

***FISHERY MANAGEMENT REPORT NO. 09-33***

**ANNUAL SUMMARY OF THE COMMERCIAL, SUBSISTENCE, AND  
PERSONAL USE SALMON FISHERIES AND SALMON ESCAPEMENTS  
IN THE ALASKA PENINSULA, ALEUTIAN ISLANDS, AND ATKA-  
AMLIA ISLANDS MANAGEMENT AREAS, 2008**

by

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August 2009

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*This document should be cited as:*

*Hartill, T. 2009. Annual summary of the commercial, subsistence, and personal use salmon fisheries and salmon escapements in the Alaska Peninsula, Aleutian Islands, and Atka-Amlia Islands Management Areas, 2008. Alaska Department of Fish and Game, Fishery Management Report No. 09-33, Anchorage.*

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## ABSTRACT

This report summarizes the 2008 subsistence and commercial salmon fisheries of the Alaska Peninsula, Aleutian Islands, and Atka-Amlia Islands Management Areas. The commercial salmon harvest in the Alaska Peninsula and Aleutian Islands areas consisted of 6,166 Chinook *Oncorhynchus tshawytscha*, 4,243,145 sockeye *O. nerka*, 350,944 coho *O. kisutch*, 13,516,014 pink *O. gorbuscha*, and 980,029 chum salmon *O. keta*. The total ex-vessel value in the Alaska Peninsula and Aleutian Islands areas was approximately \$29,518,109.

In 2008, 199 Alaska Peninsula Area subsistence salmon permits were issued and an estimated 261 Chinook, 8,025 sockeye, 4,610 coho, 1,553 pink, and 857 chum salmon were harvested. In the Unalaska District, 204 subsistence salmon permits were issued and 2 Chinook, 1,833 sockeye, 726 coho, 567 pink, and 115 chum salmon were harvested. There were 10 subsistence salmon permits issued in the Adak District and 397 sockeye and 19 pink salmon were harvested.

The 2008 North Alaska Peninsula Chinook salmon escapement of 36,072 was above the 1998-2007 average of 19,311, while the sockeye salmon escapement of 1,012,320 was below the 1998-2007 average of 1,093,780. Even so, the North Peninsula sockeye salmon escapement met or surpassed many, but not all escapement goals. The South Peninsula sockeye salmon escapement of 95,859 was below the most recent 10-year average of 130,600. Limited aerial surveys were flown for coho salmon on the Alaska Peninsula and total estimated escapements were not calculated. The Alaska Peninsula pink salmon estimated escapement of 3,387,770 was below the 1998-2007 average of 4,590,896. The entire Alaska Peninsula chum salmon escapement of 1,062,237 was below the most recent 10-year average of 1,273,308, while the North Alaska Peninsula chum salmon escapement exceeded the combined upper escapement goal for the Northern and Northwestern Districts. The 2008 South Alaska Peninsula chum salmon escapement fell within the combined escapement goal for all districts.

**Key words:** Fishery management report, Aleutian Islands, Atka-Amlia Islands, Alaska Peninsula, Area M, ex-vessel value, escapement, aerial surveys, commercial salmon fishery, subsistence salmon fishery, personal use salmon fishery, Chinook salmon, *Oncorhynchus tshawytscha*, sockeye salmon, *Oncorhynchus nerka*, coho salmon, *Oncorhynchus kisutch*, pink salmon, *Oncorhynchus gorbuscha*, chum salmon, *Oncorhynchus keta*.

## INTRODUCTION

The Alaska Peninsula and Aleutian Islands Management Areas (collectively referred to as Area M) and the Atka-Amlia Management Area (Area F) are divided into four subareas: 1) the North Alaska Peninsula (5 AAC 09.100), consisting of Bering Sea waters extending west from Cape Menshikof to Cape Sarichef on Unimak Island; 2) the South Alaska Peninsula (5 AAC 09.100), consisting of Pacific Ocean coastal waters extending west of Kupreanof Point to Scotch Cap on Unimak Island; 3) the Aleutian Islands (5 AAC 12.100), consisting of the Bering Sea and Pacific Ocean waters of the Pribilof Islands and the Aleutian Islands west of Unimak Island and exclusive of the Atka-Amlia Management Area; and 4) the Atka-Amlia Management Area (5 AAC 11.101), consisting of Bering Sea and Pacific Ocean waters extending west of Seguam Pass (172° 50.00' W long) and east of Atka Pass (175° 23.00' W long; Figure 1).

Five species of Pacific salmon are harvested in the Alaska Peninsula and Aleutian Islands Management Area: Chinook salmon *Oncorhynchus tshawytscha*, sockeye salmon *O. nerka*, coho salmon *O. kisutch*, pink salmon *O. gorbuscha*, and chum salmon *O. keta*.

There are three seasonally staffed Alaska Department of Fish and Game (ADF&G) offices in the Alaska Peninsula Management Area located in Sand Point, Cold Bay, and Port Moller (Figure 2). Historically, most of the Alaska Peninsula and Aleutian Islands commercial salmon and Pacific herring *Clupea pallasii* fishery management was directed from the Cold Bay office. In 1990, the Sand Point staff assumed responsibility for managing salmon in the Southeastern District (Figure 3). In 1992, the Port Moller staff assumed responsibility for managing salmon in

the Herendeen-Moller Bay, Port Moller Bight, Bear River, Three Hills, and Ilnik sections (Figure 4) of the Northern District. In 2005, the Port Moller staff assumed responsibility for managing salmon in the Cinder River, Inner Port Heiden, Nelson Lagoon, and Black Hills sections (Figure 4). The Northwestern, Unimak, and Southwestern districts of the Alaska Peninsula are still managed from the Cold Bay office, and Aleutian Islands and Atka-Amlia Islands Management Areas salmon fisheries are managed cooperatively by staff in Cold Bay and Sand Point with assistance from the Dutch Harbor office (Figure 1, figure 5). The balance of the South Alaska Peninsula portion of Area M is managed from the Sand Point office.

To aid in annual salmon harvest and escapement reporting, the Alaska Peninsula and Aleutian Islands are divided into four regions of reporting responsibility: North Alaska Peninsula, South Alaska Peninsula, Aleutian Islands, and Atka-Amlia Management Areas (Figure 1). Each geographical region is responsible for reporting the harvest and escapement that occur within its boundaries. This report will serve as the salmon commercial, subsistence, and personal use report for the Alaska Peninsula, Aleutian Islands, and Atka-Amlia Management Areas. Further details of commercial harvests and escapements can be found in the following reports: 1) North Alaska Peninsula Commercial Salmon Annual Management Report, 2008 (Murphy et al. *in prep*), 2) South Alaska Peninsula Commercial Salmon Annual Management Report, 2008 (Poetter 2009), and 3) Aleutian Islands and Atka-Amlia Islands Management Areas Annual Salmon Management Report, 2008 (Poetter and Hartill 2009). Appendices of this report contain reference information including ex-vessel value information (Appendix A), harvest information (Appendix B), subsistence information (Appendix C), escapement information (Appendix D), regulations (Appendix E), method for estimating total escapement (Appendix F), and a personnel list (Appendix G). A separate report (Foster 2009) provides estimated 2008 catch and escapement age, sex, and length data.

## **COMMERCIAL FISHERIES**

A list of commercial salmon statistical areas is provided in Appendix A1 for reference to the ADF&G statistical maps and the electronic fish ticket database. Physical descriptions of the districts and sections are given in 5 AAC 09.200.

Legal salmon gear types allowed in the Alaska Peninsula Management Area include seine, drift gillnet, and set gillnet (5 AAC 09.330). Portions of the Alaska Peninsula Management Area are closed to one or two of the three gear types. Purse, beach, and hand seines are the only legal commercial fishing method for salmon in the Aleutian Islands Management Area (5 AAC 12.330). In the Atka-Amlia Area, salmon may be taken by purse seines and set gillnet only (5 AAC 11.333).

Early catches on the Alaska Peninsula were predominantly sockeye salmon with a few Chinook and coho salmon. Both pink and chum salmon harvests exceeded 500,000 for the first time in 1916. Commercial salmon fisheries in the Alaska Peninsula Management Area date back to at least 1882 when canneries were reportedly constructed on the South Alaska Peninsula at Orzinski (Orzenoi) Bay and Thin Point Cove (Freeburn 1976). However, the earliest catch records for the Alaska Peninsula Management Area date back to 1906 (Figures 6-9; Appendix B1).

In 2008, 12 companies purchased salmon from Area M fishermen (Appendix A2) with an estimated salmon harvest value (ex-vessel) for all gear types of \$29,518,109 (Appendices A3 and A4). This was well above the previous ten year average (1998-2007) of \$18,886,962 (Appendix A4). The South Unimak and Shumagin Islands June fisheries ex-vessel value was

\$15,513,800 or about 52% of the entire Area M earnings in 2008 (Appendix A3). The North Alaska Peninsula's ex-vessel value was \$8,670,093 or about 29% of the total Area M earnings (Appendix A3). The Aleutian Islands ex-vessel value was \$715,288 or about 2% of the total Area M earnings (Appendix A3). The remainder of the commercial salmon harvest ex-vessel value (\$4,618,929; about 16%) came from the Post-June and Southeastern District Mainland (SEDM) fisheries (Figure 3). Drift gillnet permit holders accounted for most of the sockeye salmon landings in 2008 (ex-vessel value \$10,361,856) followed by seine (\$4,472,322) and set gillnet permit holders (\$1,880,303; Appendix A4). Sockeye salmon provided the bulk of the ex-vessel revenues for fishermen in Area M and accounted for about 56% of the total value of all salmon landings in 2008.

Average ex-vessel price per pound for all salmon declined substantially from 1988-2001. However, since 2001 there has been a slight increase and prices continue to rise slightly. In fact, prices have not been higher for Chinook salmon since 1992 and pink salmon since 1990. Coho salmon prices have more than doubled from an average of \$0.14 per pound in 2004 to an average of \$0.36 per pound in 2008, and pink salmon prices have more than tripled from an average price of \$0.07 per pound in 2004 to an average price of \$0.22 per pound in 2008 (Appendix A5).

The average weights of commercially caught sockeye, coho, pink, and chum salmon vary from year to year and show no apparent trend over time (Appendix A5). However, since 1979 the general trend of Chinook salmon average weight has decreased from an average of 22.9 pounds in 1979 to 12.9 pounds in 2008.

In 2008, 55 of the 118 available seine, 131 of 162 available drift gillnet, and 83 of 113 available set gillnet Area M permits were fished (Appendix A6). In 2008, seine and drift gillnet effort increased slightly while set gillnet effort decreased slightly from the previous year.

Salmon stocks being targeted throughout Area M vary throughout the season. Salmon harvested in the South Unimak and Shumagin Islands June fisheries include stocks migrating to a wide range of locations, including Bristol Bay and the Arctic-Yukon-Kuskokwim (A-Y-K) regions (5 AAC 09.365). The Southeastern District Mainland is primarily managed on the basis of the Chignik River sockeye salmon run prior to July 26 (Figure 3; 5 AAC 09.360; Appendix E1). The remaining fisheries are managed on the basis of local run strength and escapements such as the sockeye salmon fishery on the North Alaska Peninsula and the South Alaska Peninsula pink and chum fisheries.

In 2008, the Alaska Peninsula Area commercial harvest (excluding test fish harvests) was 6,166 Chinook, 4,243,145 sockeye, 350,944 coho, 13,516,014 pink, and 980,029 chum salmon for a total of 19,096,298 fish (Figures 6-9; Appendices B1 and B2). For comparison, the 2008 harvest was higher than the 1998-2007 average commercial salmon harvest, for all species except Chinook salmon (Appendix B1). The harvest of all species combined was over 70% above of the previous 10-year average. Compared to their respective 10-year averages, in 2008 the Chinook salmon harvest was about 47% below, sockeye salmon harvest was about 10% higher, the coho salmon harvest was about 41% higher, the pink salmon harvest was about 122% higher, and the chum salmon harvest was about 6% higher. Harvest by area information for 2008, including commercial harvest sold and retained for personal use, and test fish harvest, is shown in Appendix B2.

During 2008, in the Alaska Peninsula, Aleutian Islands, and Atka-Amlia Islands Areas, seine fishermen harvested about 50% of the Chinook, 28% of the sockeye, 47% of the coho, 94% of

the pink, and 68% of the chum salmon (Figure 1; Appendix B3). Drift gillnet fishermen harvested about 34% of the Chinook, 62% of the sockeye, 34% of the coho, 1% of the pink, and 24% of the chum salmon (Appendix B3). Set gillnet fishermen harvested about 16% of the Chinook, 10% of the sockeye, 19% of the coho, 5% of the pink, and 8% of the chum salmon (Appendix B3).

ADF&G test fisheries were conducted in the Shumagin Islands on the South Alaska Peninsula, and at the mouth of Bear River on the North Alaska Peninsula in 2008 (Figure 3). The total test fish catch for the Shumagin Islands was 37,489 salmon while the Bear River total was 2,409 salmon (Appendix B4). The Shumagin Island test fishery is conducted in early July to estimate the prevalence of immature salmon that may be caught in the commercial fishery incidental to the targeted mature fish. The North Peninsula test fishery is conducted in early August to estimate possible marine build-up of sockeye salmon bound for Bear River during fishery closures between the early and late sockeye salmon runs.

In 1991, the Alaska Board of Fisheries (BOF), created an open-to-entry set gillnet salmon fishery around the Atka and Amlia islands (Area F). Area M Commercial Fisheries Entry Commission (CFEC) seine permit holders may still seine for salmon in the Atka-Amlia Islands Area (5 AAC 11.333). However, since 1991 there has only been four years where a commercial salmon harvest occurred in Area F, the most recent being in 1996.

The Cinder River and Inner Port Heiden sections and Ilnik Lagoon (part of the Ilnik Section) of the Alaska Peninsula Area comprise an overlap area where both Alaska Peninsula (Area M) and Bristol Bay (Area T) permit holders are allowed to fish during certain periods (Figure 4; 5 AAC 39.120(d)). Area M permit holders are allowed to fish anytime during open fishing periods in the overlap area. Area T permit holders may fish during open fishing periods from January 1 through June 30 and August 1 through December 31 in the Cinder River and Inner Port Heiden sections. Area T fishermen may fish in Ilnik Lagoon during open fishing periods from August 1 through December 31. While there was opportunity for Area T permit holders to participate in the overlap area in 2008, there was no effort or harvest (Appendix A7).

## **SUBSISTENCE AND PERSONAL USE FISHERIES**

Under Alaska state law, subsistence fishing allows the taking of fish by specific means by a resident in a rural area of the state. Subsistence uses of wild resources are defined as noncommercial, customary and traditional uses for a variety of purposes. These include: direct personal or family consumption as food, shelter, fuel, clothing, tools, or transportation, for the making and selling of handicraft articles out of non-edible by-products of fish and wildlife resources taken for personal or family consumption, and for the customary trade, barter, or sharing for personal or family consumption (AS 16.05.940 (33)). Whenever it is necessary to restrict harvests, subsistence fisheries have a preference over other uses of the stock (AS 16.05.258(b)(4)(A)).

Personal use fisheries are different from subsistence fisheries because they do not meet the criteria established by the Joint Board of Fisheries and Game for identifying customary and traditional fisheries (5 AAC 99.010), or because they occur within non-subsistence areas where dependence upon subsistence is not a principle characteristic of the economy, culture, and way of life (AS 16.05.258(c)). Personal use fisheries provide opportunities for harvesting fish with gear other than rod and reel in non-subsistence areas. However, personal use fisheries do not enjoy the priority over other uses of the resource in times of restricted harvest that subsistence fisheries do.

The Alaska Peninsula, Aleutian Islands, and Pribilof Islands communities of Sand Point, King Cove, Cold Bay, False Pass, Nelson Lagoon, Port Heiden, Akutan, Atka, Adak, Unalaska, Nikolski, St. George, and St. Paul rely on local resources for subsistence (Figure 1). Subsistence salmon permits are issued to residents in some of these areas through the ADF&G offices in Sand Point, Cold Bay, Port Moller, and Dutch Harbor. Information from returned subsistence permits is used to extrapolate catches for all permits issued<sup>1</sup>. There are probably fish kept from commercial catches for home pack that are not reported on fish tickets or on subsistence permits. There is no extrapolation from fish tickets to account for these salmon, and commercial catch retained for home pack is not currently compiled in this report. Subsistence permits are not required in the Akutan, Umnak, Pribilof Islands, and Atka-Amlia areas; consequently, no catch estimates are available for the communities of Akutan, Nikolski, Atka, St. George, and St. Paul.

The Atka-Amlia Islands Area, as defined in the commercial fishing regulations, is considered a district of the Aleutian Islands Area in the subsistence fishing regulations (Figure 1). From 1988 through 1997, subsistence salmon fishing was not allowed in the Adak District. However, a personal use salmon fishery was allowed on Adak and Kagalaska Islands for Alaska residents during 1988-1997. Beginning in 1998, subsistence salmon fishing was again allowed in the Adak District (permits were required).

In 2008, a total of 199 subsistence permits were issued in the Alaska Peninsula Area (Appendices C1 and C2). This was more than the 161 permits issued in 2007 and above the 2003-2007 average of 157 permits. In the Aleutian Islands, 204 permits were issued for the Unalaska District (Figure 5), more than the 178 permits issued in 2007, below the 2003-2007 average of 206 permits issued (Appendix C1). There were 10 permits issued for the Adak District, twice the 2003-2007 average of five permits (Figure 1; Appendices C2 and C3). In 2008, about 71% of the Alaska Peninsula Area, 60% of the Unalaska District, and 60% of the Adak District subsistence permit reports were completed and returned to ADF&G (Appendix C2).

The 2008 Alaska Peninsula Area subsistence salmon harvest was an estimated 15,306 salmon composed of 261 Chinook, 8,025 sockeye, 4,610 coho, 1,553 pink, and 857 chum salmon (Appendices C1 and C2). The Alaska Peninsula Area subsistence salmon harvest has been showing a general decline in recent years after historic peak harvests in 1997. However, the 2008 total salmon harvest was higher than 2006 and 2007. The subsistence salmon harvest in the Unalaska District during 2008 was estimated to be 3,243 salmon composed of 2 Chinook, 1,833 sockeye, 726 coho, 567 pink, and 115 chum salmon (Figure 5; Appendices C1 and C2). The 2008 subsistence salmon harvest in Unalaska was considerably less than the 2003-2007 average of 4,589 fish. The Adak District subsistence salmon catch in 2008 was estimated to be 416 salmon, composed of 397 sockeye and 19 pink salmon (Figure 1; Appendices C2 and C3). The 2008 sockeye salmon subsistence harvest was well above the 2003-2007 average of 290 fish.

There is considerable variation in the species and numbers of salmon used for subsistence, among communities (Appendices C4 and C5). This variation may be due to differences in salmon availability from year to year and species preference of each community.

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<sup>1</sup> An average catch per permit holder is calculated from returned permits and applied to unreturned permits *in absentia*. This assumes that permits which were issued but not returned were fished successfully at the same rate, and with the same average catch, as permits that were returned.

In 2008, three non-local permit holders fished in Mortensen's Lagoon as compared to 17 residents of Cold Bay and 11 residents of King Cove (Appendix C6 and C7). During the five most recent years, 2003-2007, the average number of non-local permit holders fishing in Mortensen's Lagoon was 4 compared to 15 local permit holders from Cold Bay and 11 local permit holders from King Cove (Appendix C7).

Thin Point Lagoon, located approximately 12 air miles west of King Cove, is an important source of subsistence sockeye and coho salmon for residents of King Cove. In 2008, an estimated 1,715 sockeye and 2,016 coho salmon were harvested from Thin Point Cove by 31 King Cove permit holders (Appendix C8). Lenard Harbor, near the King Cove road system, has been an important source of coho salmon for subsistence purposes in the past; however, only one subsistence fisher harvested 45 coho salmon there in 2008 (Appendices C9 and C10).

The major Unalaska Island subsistence salmon fishing locations used during 2008 are listed in Appendix C11. The Reese Bay subsistence fishery, on Unalaska Island, targets sockeye salmon returning to McLees Lake (Palmer 2003) and appears to be fully utilized by subsistence fishermen during most years (Shaul and Dinnocenzo 2005). The 2008 Reese Bay subsistence sockeye salmon harvest was estimated to be 1,127 fish and represents 61% of the total Unalaska District catch (Figure 1; Appendices C11 and C12). In many years, as in 2008, Reese Bay receives more fishing effort than any other location on Unalaska Island. In 2008, the Reese Bay sockeye salmon subsistence harvest was lower than the 2007 catch of 1,605 sockeye salmon (Appendix C12). The catches in the past three years have been the lowest since 1996 with 2008 being the lowest.

The Adak District subsistence salmon harvest primarily consists of sockeye salmon taken at Quail Bay and Galas Point on Kagalaska Island and at Hidden Bay on Adak Island (Figure 1). A few pink and coho salmon are also harvested on the north side of Adak Island. After 1993, the personal use effort decreased from previous years due to reductions in U.S. Navy personnel stationed at Adak. In 1997, the civilian population of Adak increased because of military base cleanup work. A total of eighteen permits were issued in 1997 and an estimated 229 sockeye salmon and 4 chum salmon were harvested (Appendix C3). Currently there are no Navy personnel in Adak. During the five most recent years, 2003-2007, an average of 5 Adak District subsistence permits were issued with an average harvest of 290 sockeye salmon, 1 coho salmon and 8 pink salmon harvested. In 2008, 10 permits were issued, the most since 2001, and the estimated salmon harvest was 397 sockeye and 19 pink salmon, the second highest subsistence harvest since 2001 (Appendices C3 and C13).

## **ESCAPEMENT**

There are approximately 307 salmon spawning streams (including tributaries of some large systems) within the Alaska Peninsula Management Area (Murphy 1992, McCullough 2001; Figure 1). The South Alaska Peninsula has about 224 salmon systems with sockeye salmon documented in 37, pink salmon in 204 and chum salmon in 136 systems. A total of approximately 82 coho salmon producing systems have been documented in the South Alaska Peninsula; however, due to budget limitations and poor fall survey conditions many streams have never been surveyed when coho salmon are expected to be present. The North Alaska Peninsula has about 83 salmon producing systems with Chinook salmon present in 21, sockeye in 55, and pink salmon in at least 39 systems (McCullough 2001). Chum salmon are present in about 73

North Alaska Peninsula streams, and coho salmon have been identified in approximately 50 systems.

In the Aleutian Islands and Atka-Amlia Islands Management Areas, there are at least 335 salmon systems, with sockeye salmon present in about 45, pink salmon in 319, chum salmon in 11, and coho salmon in at least 35 systems (Murphy 1992).

Most salmon escapement estimates were derived from aerial surveys; although the major sockeye salmon systems were monitored with weirs. In 2008, five salmon weirs were operated by ADF&G in the Alaska Peninsula Management Area: Orzinski, Ilnik, Bear, Nelson, and Sandy Rivers (Figure 2). In addition, during 2008 the U.S. Fish and Wildlife Service (USFWS) operated a weir at McLees Lake on Unalaska Island. This was the eighth consecutive year of operation for the McLees Lake weir. In the recent past, the USFWS in Cold Bay operated weirs approximately 100 yards below the Frosty Creek Bridge in 2000, near the Frosty Creek mouth in 2001 and 2002, near the outlet of Blue Bill and Outer Marker lakes in 2005, and at Mortensen's Lagoon from 2001 through 2006 (Watchers 2003).

ADF&G has operated the Orzinski Lake and Ilnik River weirs since 1990 (Figure 2). Orzinski Lake also had a weir from 1929-1941. Because the Orzinski Lake sockeye salmon run is important in determining fishing time for the Northwest Stepovak Section, and due to the difficulties involved with estimating fish from the air, ADF&G re-established a weir in 1990 (Shaul et al. 1991).

A tripod weir was installed at Ilnik River in 1990 due to difficulties with estimating salmon abundance from the air, and the need to determine fishing periods for both the Ilnik Lagoon fishery (predominantly set gillnet gear) and the Ilnik Section outside the Lagoon (predominantly drift gillnet gear). However, the 500-foot long Ilnik River weir was difficult to install and maintain. ADF&G personnel encountered many problems in maintaining a fish-tight weir in 1990 and did not obtain good escapement data (Shaul et al. 1991). In 1991, the Ilnik weir was modified, and during 1991-1995 escapement counts and samples were obtained with difficulty. In 1996, floating weir panels attached to a heavy chain replaced the tripod weir. The floating panel weir worked much better and provided reliable data (Shaul and Berceci 1997), and has been in operation since that time.

A weir was first operated on the Bear River during the 1929 through 1932 seasons. This weir was placed immediately above the mouth of the Milky River (locally called the Mad Sow River). This weir was difficult to construct and supply, and was not operated long enough to estimate the total sockeye salmon escapement based on our current knowledge of the salmon runs. From 1933 through 1952 a salmon counting structure was not operated at Bear River. From 1953 through 1960 a weir was operated near the current weir location, close to the lake outlet (Figure 2). From 1961 through 1985, a counting tower replaced the weir. Since 1986, a weir has again been used to enumerate Bear River sockeye salmon near the outlet of the lake.

A counting tower was used to enumerate salmon on the Nelson (Sapsuk) River during the 1962 through 1988 seasons (Figure 2). In 1989, the tower was replaced with a floating weir, which is still in use.

A counting tower was operated on the Sandy River, at the current weir cabin site, during the 1962 through 1964 seasons. After 1964, the Sandy River tower project was abandoned due to budget cuts and the fact that the river was often too muddy to count fish from a tower. In 1994, a

tripod weir was installed near the old Sandy River tower site, and has been operated every summer since (Figure 2). In 2002, the weir was moved approximately one mile downstream and has remained in that location.

Estimated escapements for Chinook, sockeye, pink, and chum salmon for the North and South Alaska Peninsula are presented in Appendix D1. Aerial surveys are used to estimate escapement in systems without a weir and to monitor historical trends in annual escapements. Appendix F1 describes the methodology used to generate estimated escapement counts from survey data. Coho salmon escapements are not monitored in many streams due to the difficulty and expense of conducting surveys during the fall. When presented in other sections of this report, coho salmon numbers are expressed in peak values (the largest number of coho salmon observed in a system in a given year). Escapement estimates in the text are estimated escapements derived from aerial surveys, except for tower or weir counts on the following systems: Bear River and Nelson River (sockeye salmon) in 1962-2008, Nelson River (Chinook and chum salmon) in 1962-1985, Orzinski River (sockeye salmon) in 1990-2008, Ilnik River (sockeye salmon) in 1991-2008, Sandy River (sockeye salmon) in 1994-2000 and 2002-2008, Thin Point Cove (sockeye salmon) in 1994-1998, and Middle Lagoon (sockeye salmon) in 1996. The estimated escapement values are likely lower than the actual total escapement as aerial surveys typically underestimate escapement numbers. There are differences after 1984 between escapement figures used in area management reports and those in some formally published reports (technical data reports, bulletins, etc.) due to the use of different methods to estimate escapement. Chinook, sockeye, pink, and chum salmon estimated escapements from 1962 through 2008 are depicted in Figures 8-11.

In the Alaska Peninsula Management Area in 2008, the estimated Chinook salmon escapement of 36,072 fish was above the previous 10-year average of 19,311 fish (Figure 11; Appendix D1). The estimated sockeye salmon escapement of 1,108,179 fish was below the previous 10-year average of 1,224,379 fish (Figure 12; Appendix D1). Most major sockeye salmon stocks achieved or exceeded escapement goals except Bear River early-run sockeye salmon, Sandy River sockeye salmon, and Ilnik River sockeye salmon. The 2008 estimated pink salmon escapement of 3,387,770 fish was below the 1998-2007 average of 4,590,896 fish but was within the even-year SEG range of 1,864,600 to 3,729,300 fish (Honnold et al. 2007). (Figure 13; Appendix D1). The 2008 Alaska Peninsula estimated total chum salmon escapement of 1,062,237 fish was below the previous 10-year average of 1,273,308 (Figure 14; Appendix D1), but met the combined district escapement goal range of 550,000 to 1,115,000 fish (Honnold et al. 2007). The coho salmon escapement data collected in 2008 were incomplete due to inclement weather and budget constraints but are presented where appropriate in subsequent sections of the Alaska Peninsula Management Reports. Due to cost, logistics, and low availability of suitable aircraft, complete escapement data are not available in the Aleutian Islands and Atka-Amlia Islands Areas. One day of aerial survey work was conducted in 2008 in the Aleutian Islands and 159,400 pink salmon were documented in Unalaska Island streams. For further detailed escapement information including age, length, and sex composition refer to the Alaska Peninsula Management Area Salmon Escapement and Catch Sampling Results, 2008 (Foster 2009).

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## **FIGURES**

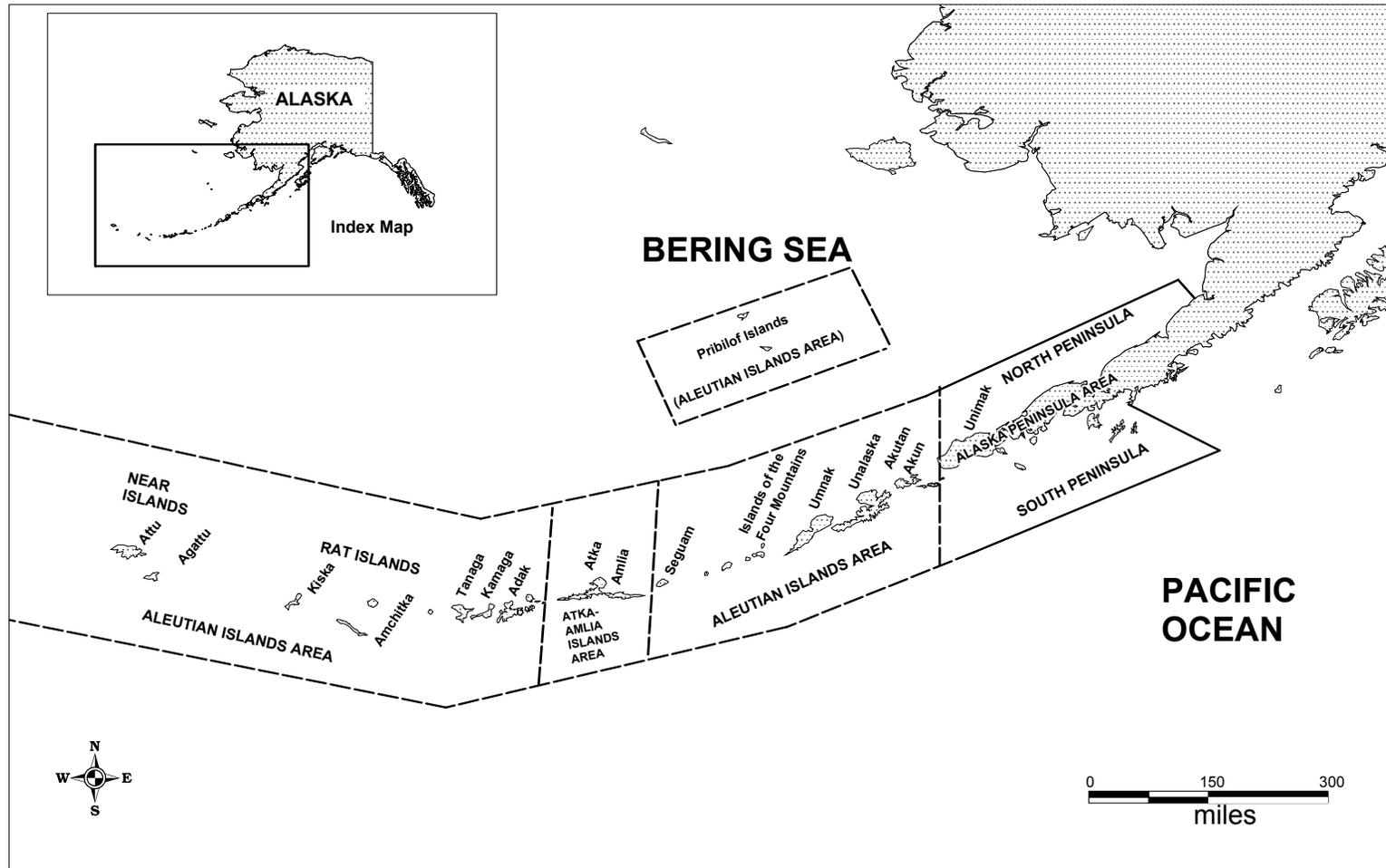


Figure 1.-Map of the Aleutian Islands, Atka-Amlia Islands, and Alaska Peninsula Management Areas.

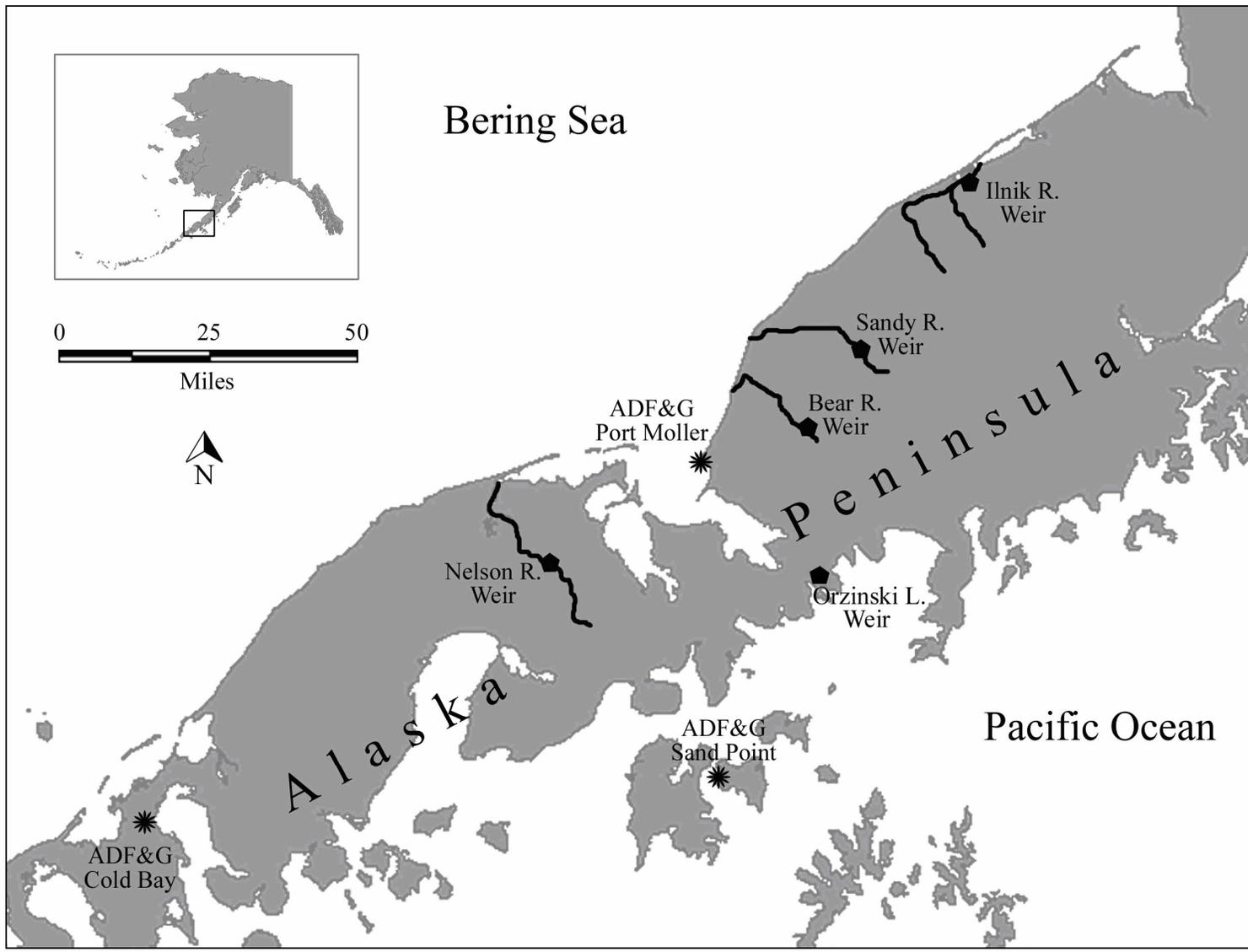


Figure 2.—Map of the Alaska Peninsula ADF&G weir and regional office locations.

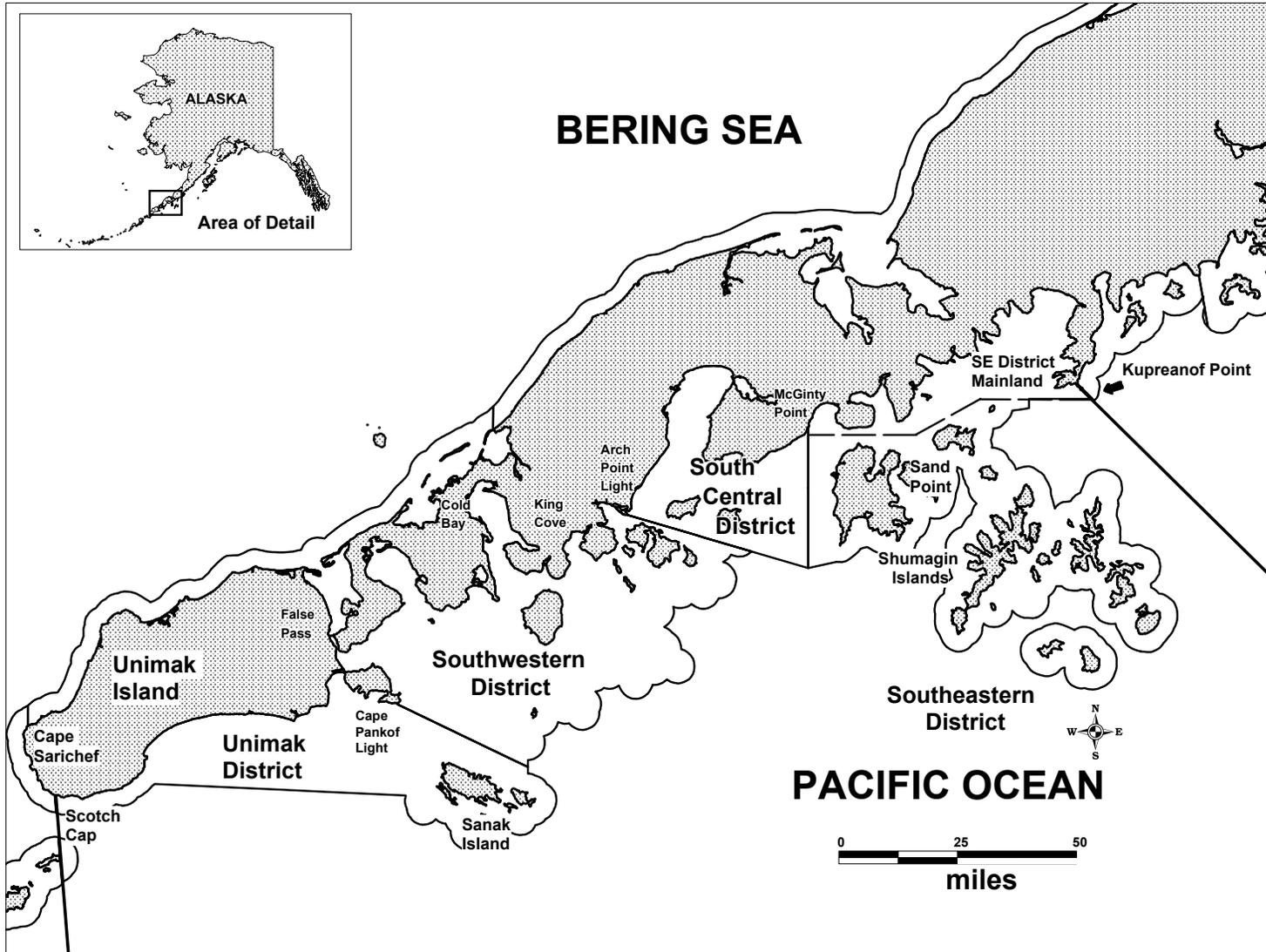


Figure 3.—Map of South Alaska Peninsula commercial fishing districts.

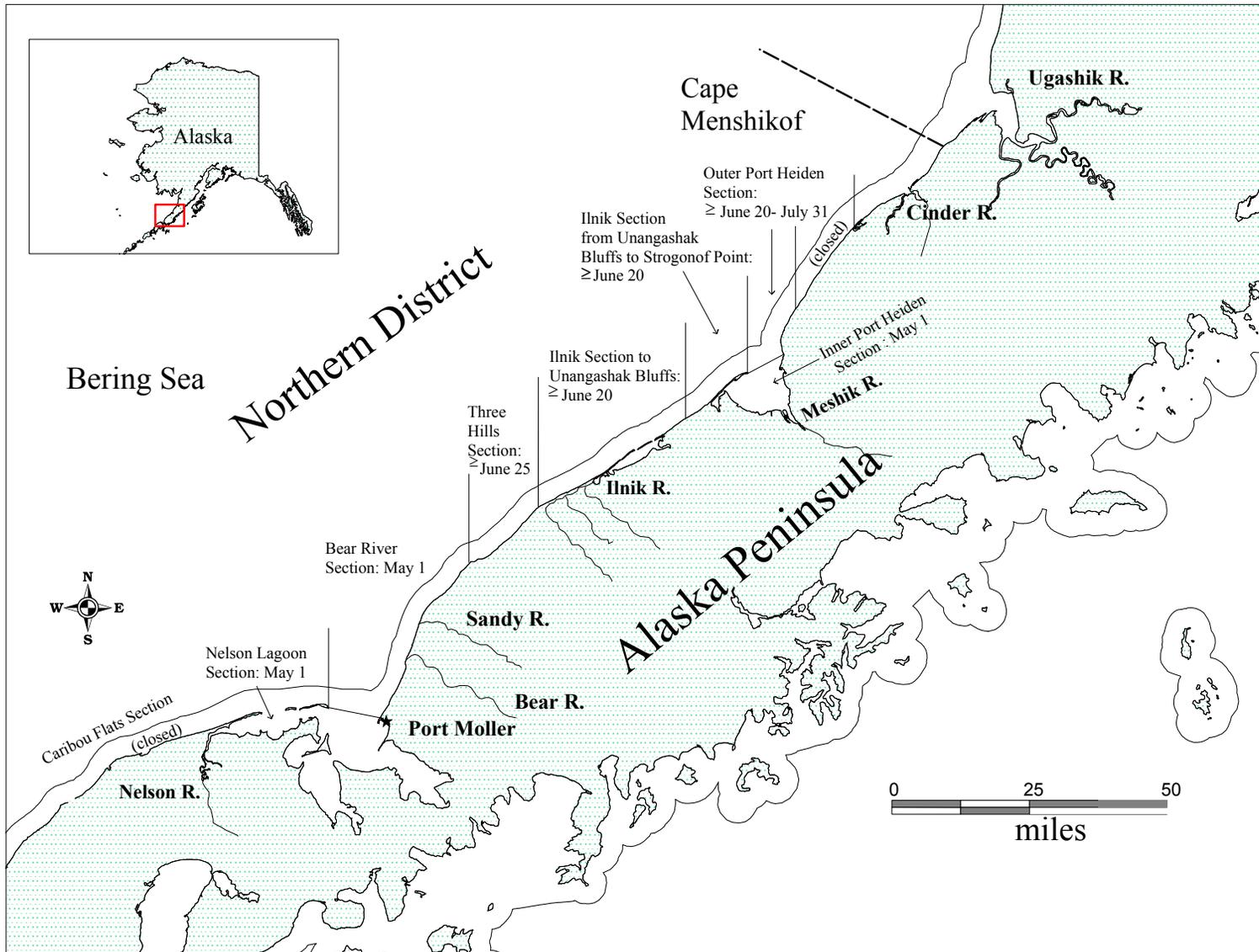


Figure 4.—Nelson Lagoon to Strogonof Point reach, with commercial salmon fishing sections, season opening dates, and major sockeye salmon systems depicted.

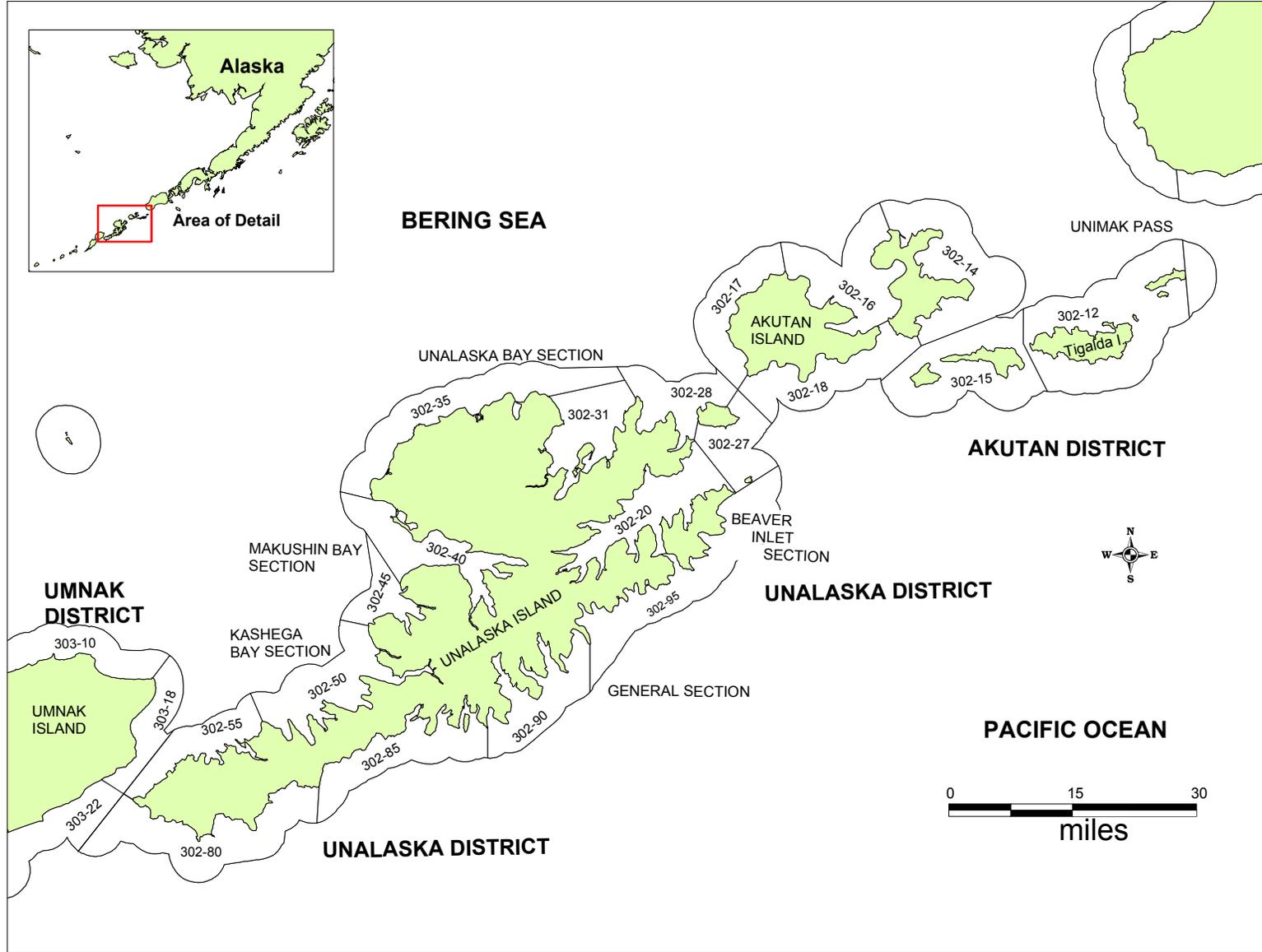


Figure 5.-Map of Unalaska and Akutan commercial fishing district and sections.

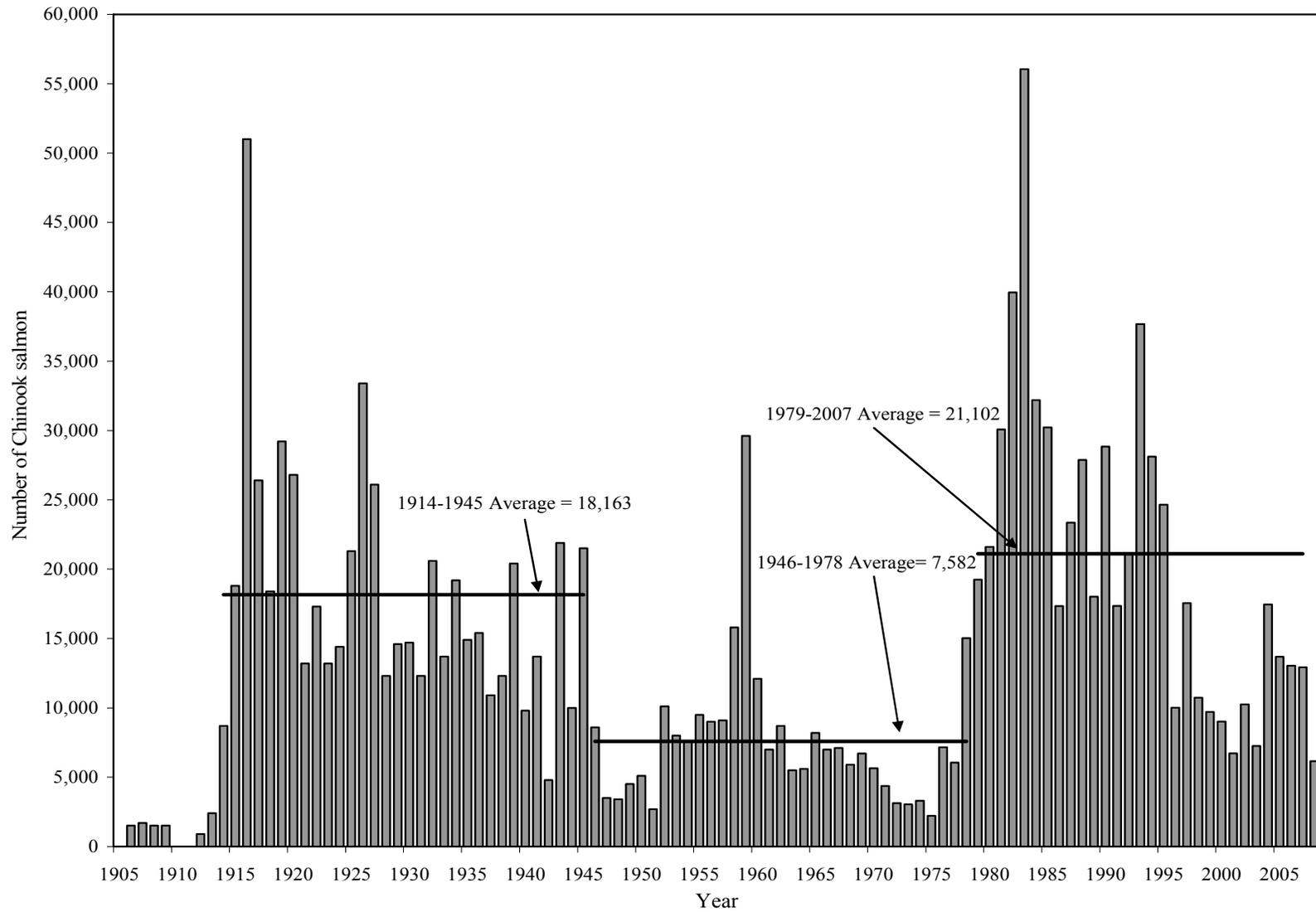


Figure 6.—The combined Alaska Peninsula, Aleutian Islands, and Atka-Amlia Islands areas harvest of Chinook salmon by year, 1905-2008.

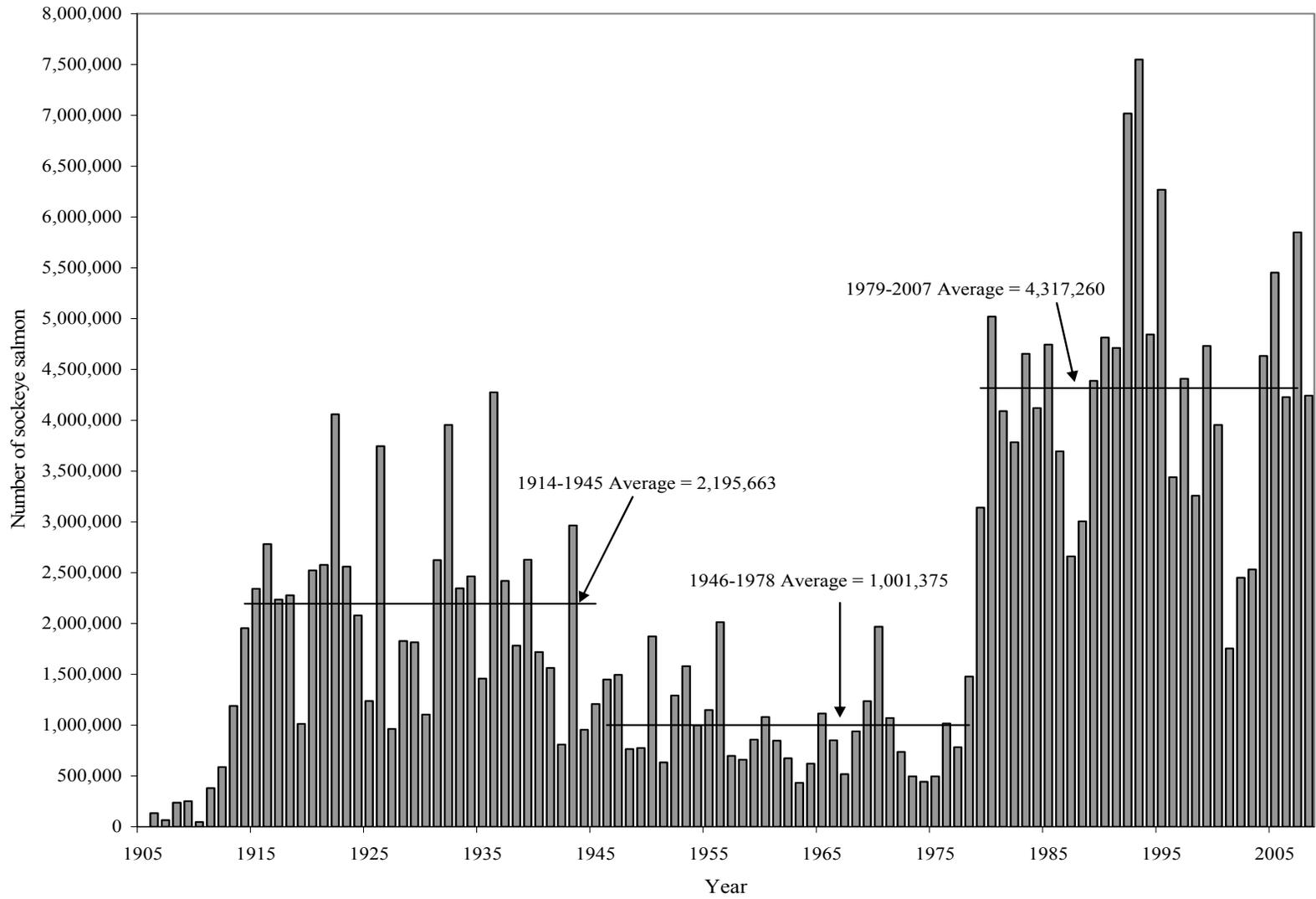


Figure 7.—The combined Alaska Peninsula, Aleutian Islands, and Atka-Amlia Islands areas harvest of sockeye salmon by year, 1905-2008.

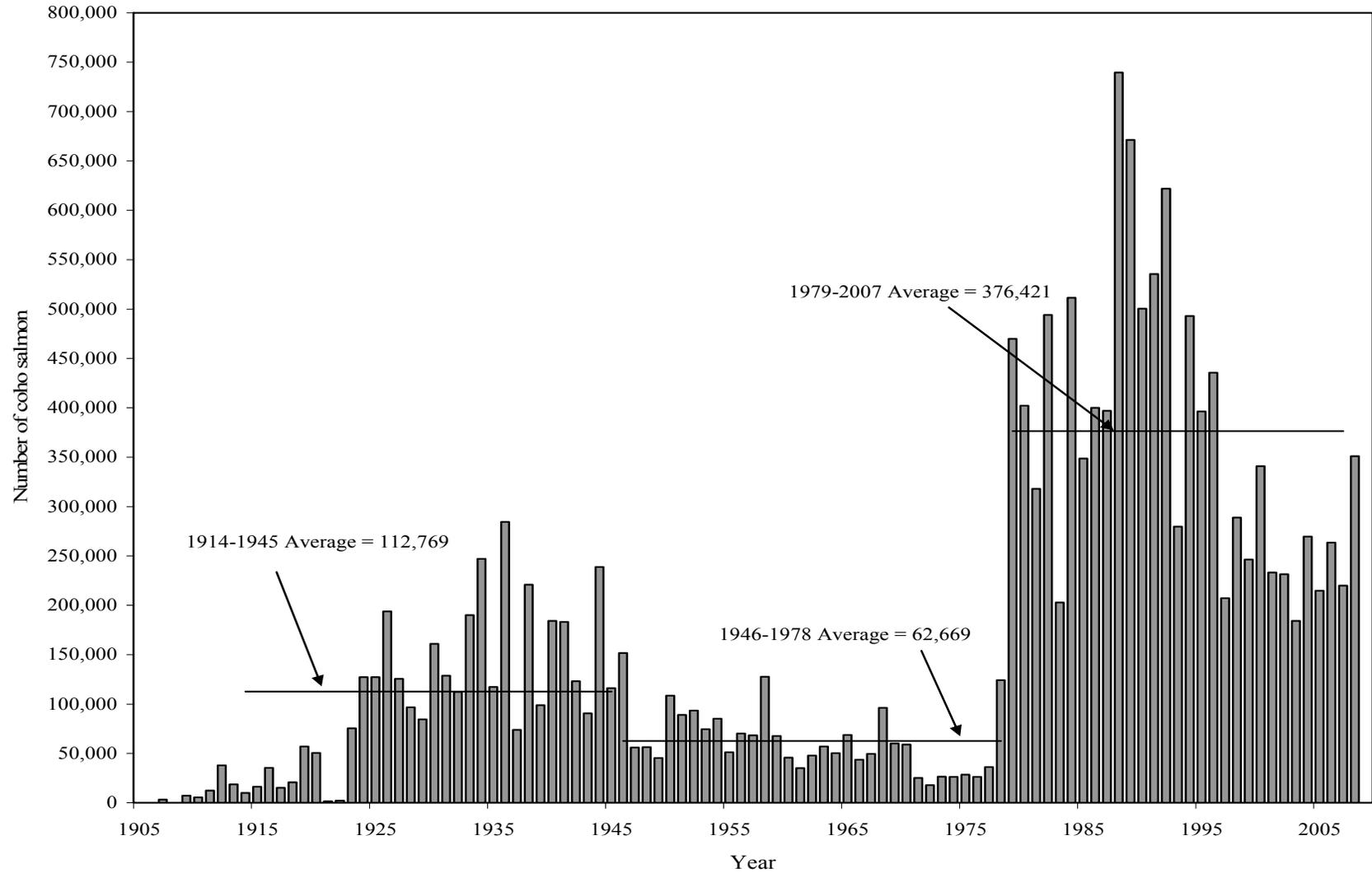


Figure 8.—The combined Alaska Peninsula, Aleutian Islands, and Atka-Amlia Islands areas harvest of coho salmon by year, 1905-2008.

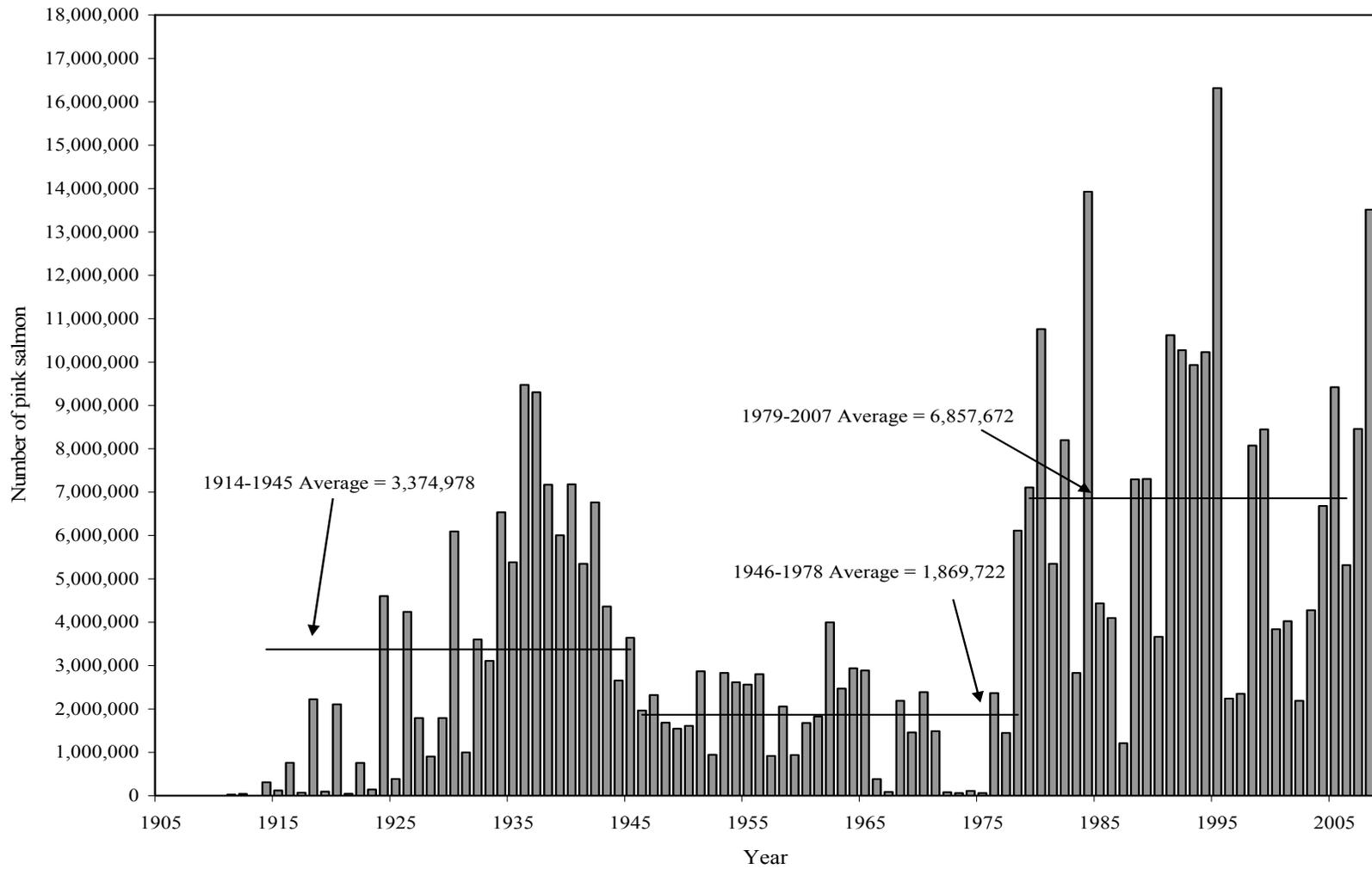


Figure 9.—The combined Alaska Peninsula, Aleutian Islands, and Atka-Amlia Islands areas harvest of pink salmon by year, 1905-2008.

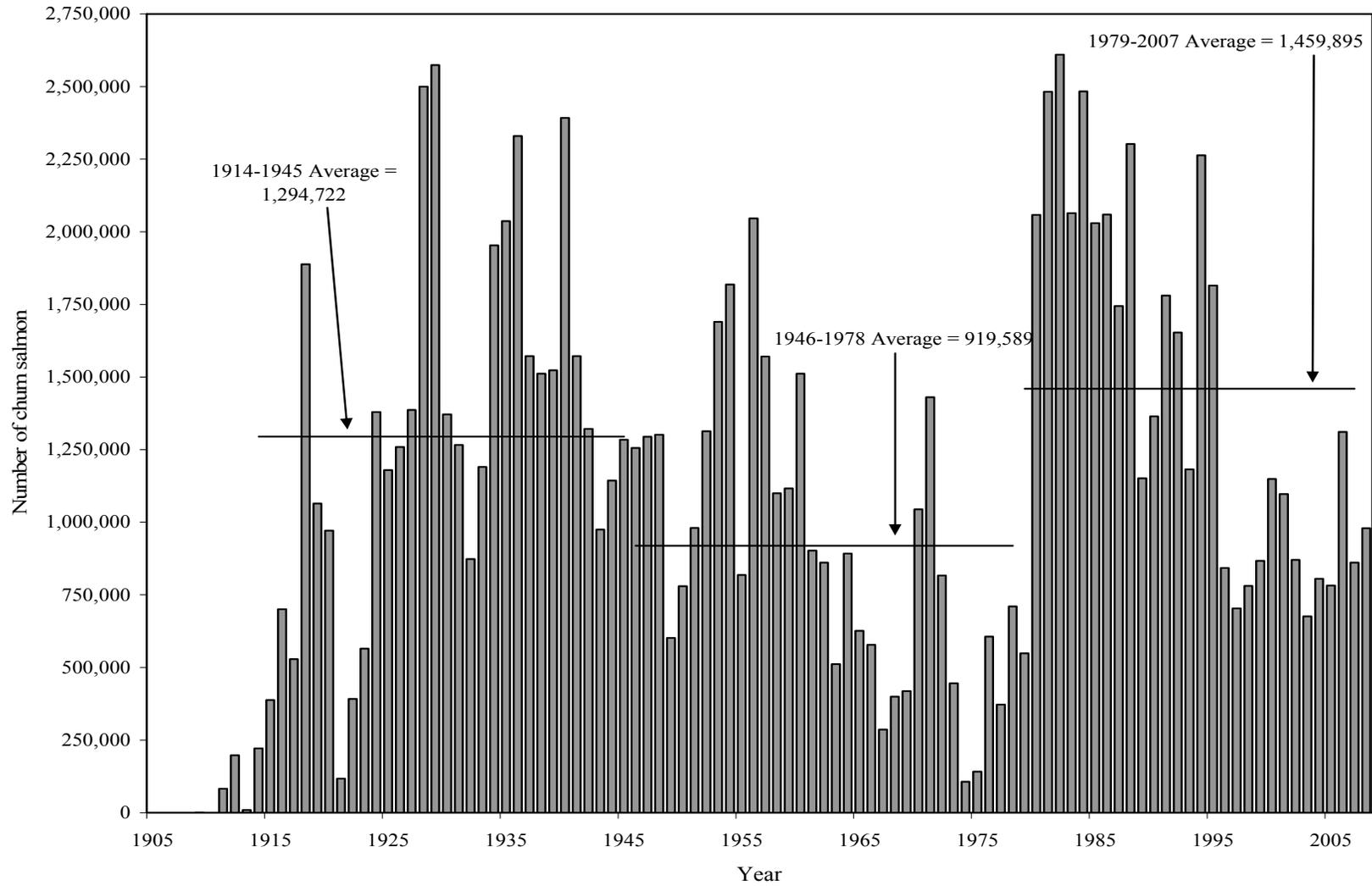


Figure 10.—The combined Alaska Peninsula, Aleutian Islands, and Atka-Amlia Islands areas harvest of chum salmon by year, 1905-2008.

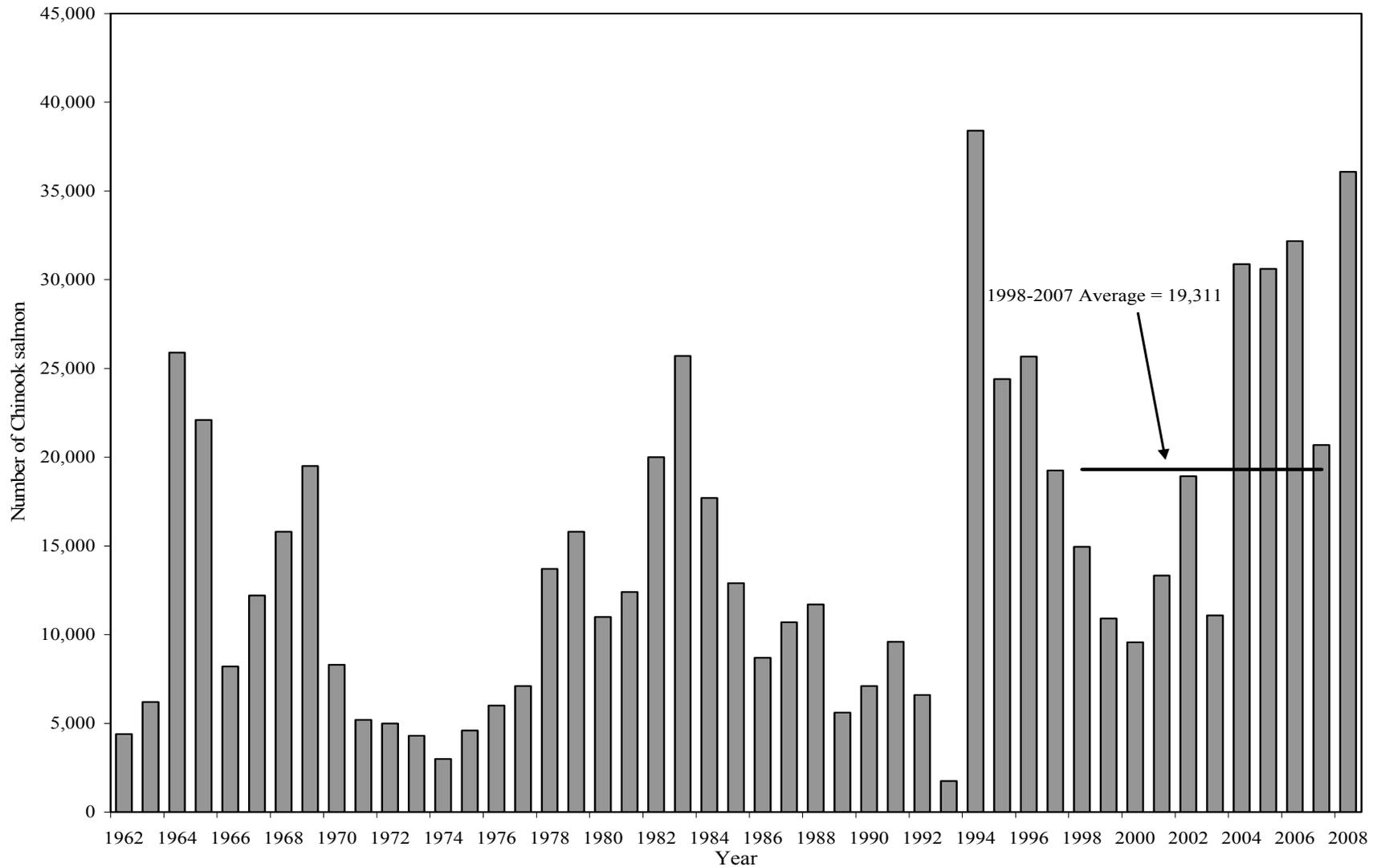


Figure 11.—The Alaska Peninsula Chinook salmon total estimated escapement by year, 1962-2008.

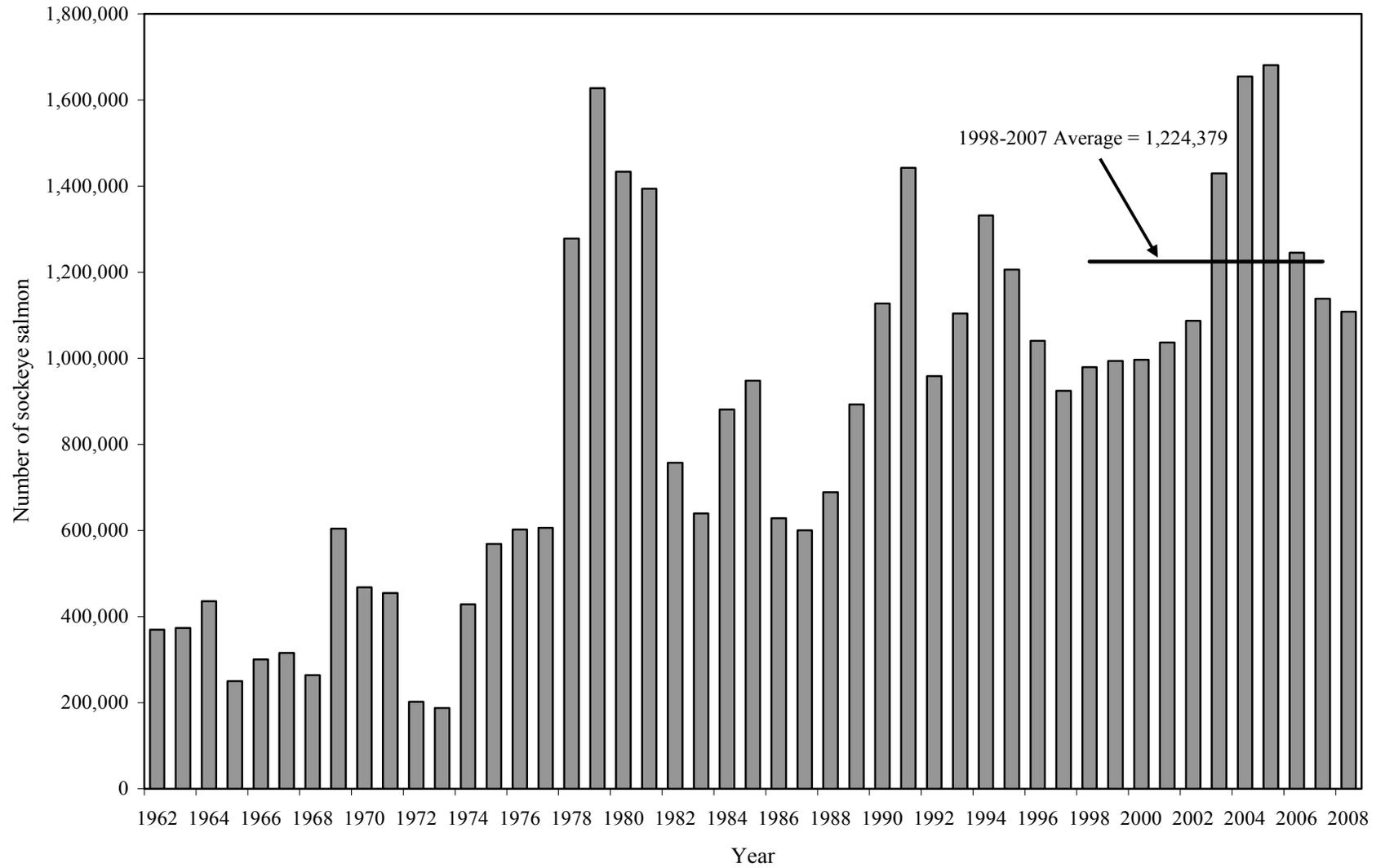


Figure 12.—The Alaska Peninsula sockeye salmon total estimated escapement by year, 1962-2008.

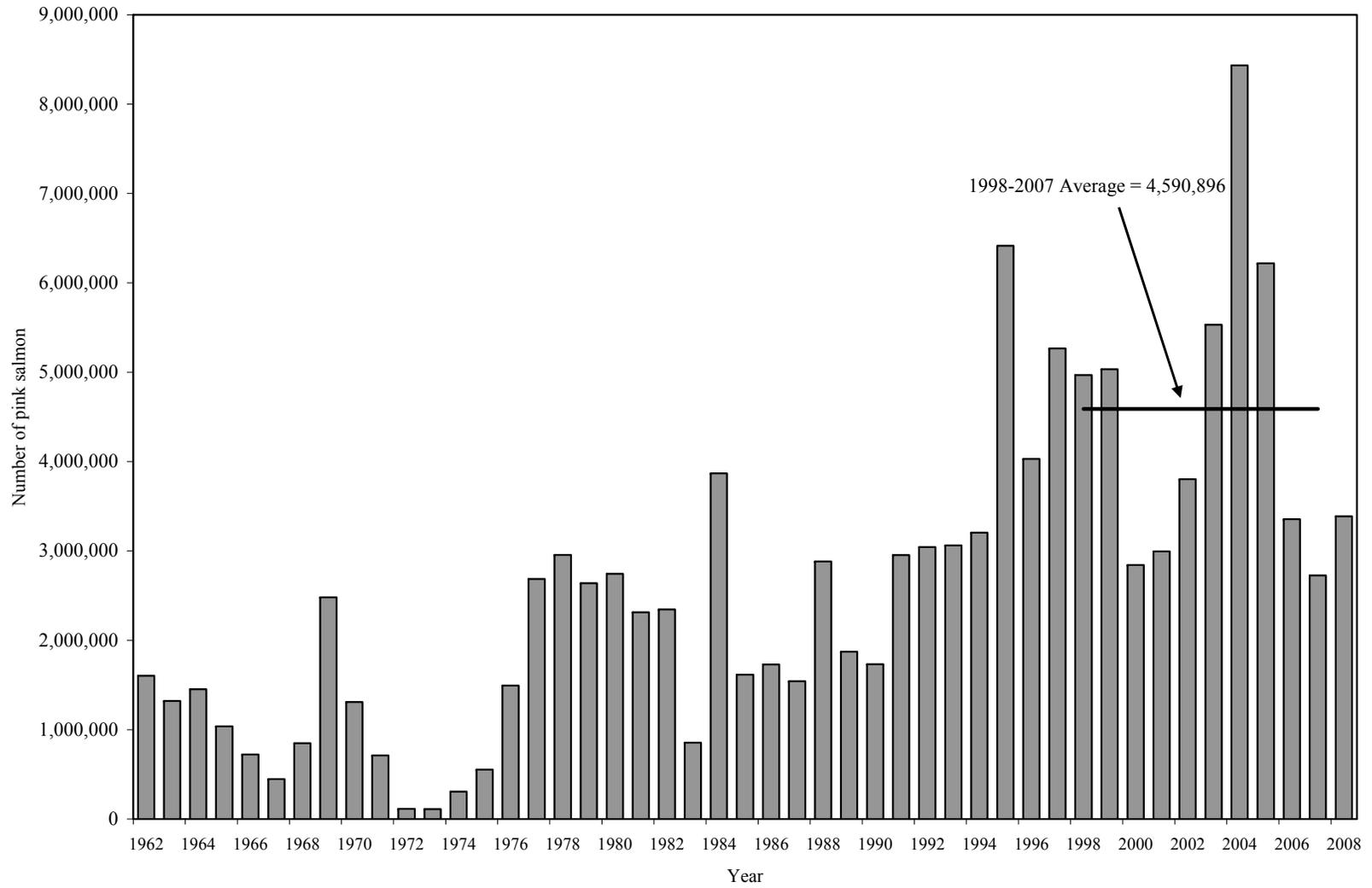


Figure 13.—The Alaska Peninsula pink salmon total estimated escapement by year, 1962-2008.

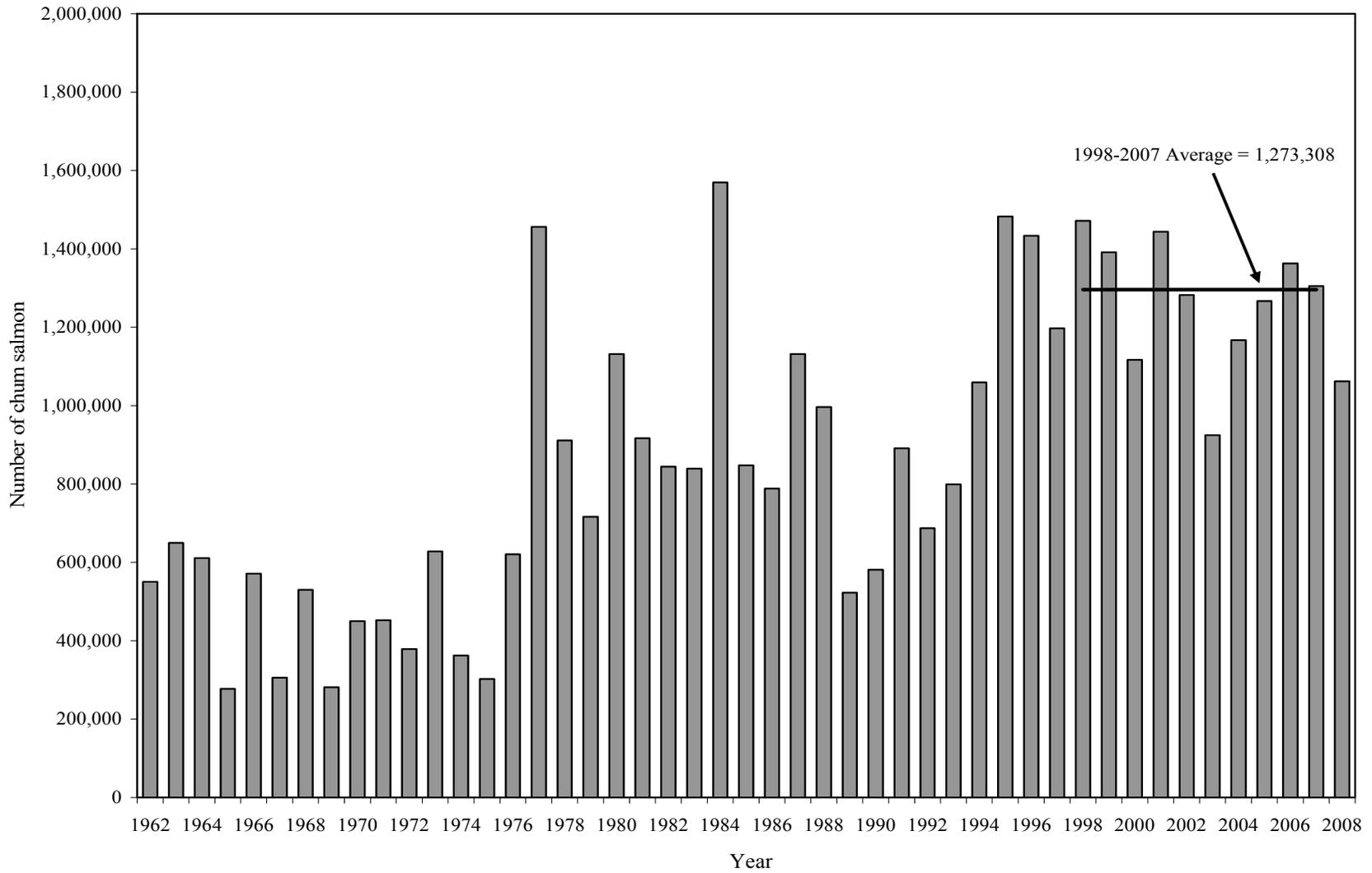


Figure 14.—The Alaska Peninsula chum salmon total estimated escapement by year, 1962-2008.



**APPENDIX A:  
FISHERY ECONOMIC AND GEOGRAPHIC DATA**

Appendix A1.–List of statistical salmon fishing areas in the Alaska Peninsula, Aleutian Islands, and Atka-Amlia Management Areas.

| <b>Area</b>                                       | <b>Statistical Areas</b>                                |
|---|---|
| <b>Alaska Peninsula</b>                           | 28100 through 28599 plus 31111 through 31899            |
| <b>South Alaska Peninsula prior to 1991</b>       | 28100 through 28499                                     |
| <u>Southeastern District Mainland<sup>a</sup></u> | 28100 through 28299 plus 28370, 28375, 28380, and 28390 |
| East Stepovak Section                             | 28134, 28135, 28136                                     |
| Stepovak Flats Section                            | 28133   |
| Northwest Stepovak Section                        | 28110 through 28132                                     |
| Orzinski and American Bays                        | 28131   |
| Southwest Stepovak Section                        | 28390   |
| Balboa Bay Section                                | 28380   |
| Beaver Bay Section <sup>a</sup>                   | 28370, 28375  |
| Shumagin Islands Section                          | 28200 through 28299                                     |
| <u>South Central District</u>                     | 28361 through 28369                                     |
| <u>Southwestern District</u>                      | 28300 through 28352 plus 28460                          |
| <u>Unimak District</u>                            | 28400 through 28450 plus 28310                          |
| <b>South Alaska Peninsula after 1990</b>          | 28100 through 28599                                     |
| <u>Southeastern District</u>                      | 28100 through 28299                                     |
| <u>Southeastern District Mainland</u>             | 28100 through 28199                                     |
| East Stepovak Section                             | 28100 through 28125                                     |
| Stepovak Flats Section                            | 28130   |
| Northwest Stepovak Section                        | 28140 through 28167                                     |
| Orzinski Bay                                      | 28150   |
| American Bay                                      | 28155   |
| Southwest Stepovak Section                        | 28170   |
| Balboa Bay Section                                | 28180   |
| Beaver Bay Section                                | 28190   |
| Shumagin Islands Section                          | 28200 through 28299                                     |
| <u>South Central District</u>                     | 28300 through 28399                                     |
| Mino Creek – Little Coal Bay Section              | 28315, 28317  |
| East Pavlof Bay Section                           | 28320, 28321, 28323                                     |
| Canoe Bay Section                                 | 28324   |
| West Pavlof Bay Section                           | 28325, 28326  |
| <u>Southwestern District<sup>b</sup></u>          | 28400 through 28499                                     |
| Volcano Bay Section                               | 28436, 28437, 28438, 28439                              |
| Belkofski Bay Section                             | 28442   |
| Deer Island Section                               | 28455   |
| Cold Bay Section                                  | 28462, 28465, 28467                                     |
| Thin Point Section                                | 28475   |
| Morzhovoi Bay Section                             | 28480   |
| Ikatan Bay Section                                | 28490   |
| <u>Unimak District</u>                            | 28500 through 28599                                     |
| Sanak Island Section                              | 28510   |
| Otter Cove Section                                | 28520, 28530  |
| Cape Lutke Section                                | 28540   |

-continued-

| <b>Area</b>                                   | <b>Statistical Areas</b>      |
|---|-------------------------------|
| <b>North Alaska Peninsula</b>                 | 31111 through 31820           |
| <u>Northwestern District</u>                  | 31111 through 31299           |
| Dublin Bay Section                            | 31120                         |
| Urilia Bay Section                            | 31132 through 31142           |
| Swanson Lagoon Section                        | 31152                         |
| Bechevin Bay Section (prior to 2000)          | 31158 through 31160           |
| Bechevin Bay Section (2000 to present)        | 31160                         |
| Izembek- Moffet Bay Section (prior to 2000)   | 31210 through 31240           |
| Izembek- Moffet Bay Section (2000 to present) | 31210 through 31240 and 31158 |
| <u>Northern District</u>                      | 31300 through 31899           |
| Black Hills Section                           | 31310                         |
| Caribou Flats Section                         | 31320                         |
| Nelson Lagoon Section                         | 31330                         |
| Bear River Section                            | 31500 through 31599           |
| Three Hills Section                           | 31610                         |
| Bear River Section                            | 31500 through 31599           |
| Three Hills Section                           | 31610                         |
| Ilnik Section                                 | 31620 through 31699           |
| Ilnik Lagoon                                  | 31622                         |
| Outer Port Heiden Section                     | 31710                         |
| Inner Port Heiden Section                     | 31720                         |
| Cinder River Section                          | 31820                         |
| Harbor Point to Cape Seniavin                 | 31500 through 31599 and 31412 |
| Cape Seniavin to Strogonof Point              | 31600 through 31699           |
| Harbor Point to Strogonof Point               | 31500 through 31699 and 31412 |
| <b>Aleutian Island Area</b>                   | 30200 through 30999 and 31110 |
| <b>Atka-Amlia Area</b>                        | 30500 through 30599           |

<sup>a</sup> In 1985, statistical area 28370 became two areas (28370 and 28375). In 1988, Beaver Bay (28375) became part of the Southeastern District. The balance of 28370 remained in the South Central District. In 1991, statistical areas were changed to reflect Alaska Board of Fish management plans. As an aid in comparing statistics, catches from 1970-90 from statistical areas 28370 and 28375 have been designated as Beaver Bay catches from the Southeastern District. After 1990, these statistical areas were eliminated, Beaver Bay became 28190 (Southeastern District) and the Mino Creek-Little Coal Bay area became 28317 and 28315 (South Central District).

<sup>b</sup> In 2001, statistical area 28437 became two areas (28437 and 28439).

Appendix A2.–List of processing companies purchasing salmon in the Alaska Peninsula and Aleutian Islands Management Areas, 2008.

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Peter Pan Seafoods, Inc.  
2200 6<sup>th</sup> Avenue #1000  
Seattle, WA 98121

Trident Seafoods  
5303 Shilshole Avenue NW  
Seattle, WA 98107

Alaska Peninsula Fisherman's Cooperative  
P.O. Box 1488  
Sumner, WA 98390

Aleutia  
P.O. Box 408  
Sand Point, AK 99661

Westward Seafoods  
2101 4<sup>th</sup> Ave # 1700  
Seattle, WA 98101

Snopac Products Inc.  
5053 Marginal Way S  
Seattle, WA 98134

Pavlof Fisheries Inc.  
3900 Railway Ave.  
Everett, WA 98201

Bering Pacific Seafoods  
234 Gold St.  
False Pass, AK 99661

V-PJ's Seafood's  
25 Russian Town Rd.  
Sand Point, AK 99661

Alaska Icelandic Seafoods LLC  
4440 Somerset Blvd. SE  
Bellevue, WA 98004

Joe Ludvick F/V Melanie Joann  
Box 74  
Sand Point, AK 99661

Favco Inc.  
1205 W 29<sup>th</sup> PL  
Anchorage, AK 99503

Appendix A3.—Estimated ex-vessel value of Alaska Peninsula and Aleutian Islands management areas commercial salmon fishery by gear type, 2008.

|   | Chinook  | Sockeye     | Coho      | Pink        | Chum        | Total        |
|---|----------|-------------|-----------|-------------|-------------|--------------|
| <b>SEINE</b>  |          |             |           |             |             |              |
| <b>South Peninsula</b>  |          |             |           |             |             |              |
| Poundage  | 52,691   | 6,115,016   | 1,121,795 | 40,484,867  | 3,832,096   | 51,606,465   |
| Average Weight  | 17.2     | 5.4         | 6.8       | 3.4         | 7.3         |              |
| Ex-vessel Value   | \$46,791 | \$4,293,875 | \$371,169 | \$8,815,288 | \$896,362   | \$14,423,485 |
| <b>Northwestern District</b>  |          |             |           |             |             |              |
| Poundage  | 126      | 271,808     | 156       | 59,111      | 818,944     | 1,150,145    |
| Average Weight  | 21.0     | 6.0         | 7.4       | 3.6         | 8.0         |              |
| Ex-vessel Value   | \$71     | \$178,415   | \$73      | \$10,762    | \$184,707   | \$374,027    |
| <b>Northern District</b>  |          |             |           |             |             |              |
| Poundage  | 0        | 0           | 0         | 3,637       | 264,468     | 268,105      |
| Average Weight  |          |             |           | 3.1         | 7.3         |              |
| Ex-vessel Value   | \$0      | \$0         | \$0       | \$523       | \$51,890    | \$52,413     |
| <b>North Peninsula Total</b>  |          |             |           |             |             |              |
| Poundage  | 126      | 271,808     | 156       | 62,748      | 1,083,412   | 1,418,250    |
| Average Weight  | 21       | 6.0         | 7.4       | 3.6         | 7.8         |              |
| Ex-vessel Value   | \$71     | \$178,415   | \$73      | \$11,285    | \$236,596   | \$426,440    |
| <b>Aleutian Islands Area</b>  |          |             |           |             |             |              |
| Poundage  | 20       | 141         | 268       | 2,900,768   | 2,482       | 2,903,679    |
| Average Weight  | 20.0     | 4.9         | 5.6       | 3.7         | 9.5         |              |
| Ex-vessel Value   | \$5      | \$32        | \$67      | \$714,469   | \$715       | \$715,288    |
| <b>Alaska Peninsula and Aleutian Islands Areas Total</b>            |          |             |           |             |             |              |
| Poundage  | 52,837   | 6,386,965   | 1,122,219 | 43,448,383  | 4,917,990   | 55,928,394   |
| Average Weight  | 17.2     | 5.4         | 6.8       | 3.4         | 7.4         |              |
| Ex-vessel Value   | \$46,867 | \$4,472,322 | \$371,309 | \$9,541,042 | \$1,133,673 | \$15,565,214 |
| <b>South Unimak and Shumagin Islands June Fisheries<sup>a</sup></b> |          |             |           |             |             |              |
| Poundage  | 47,213   | 5,629,477   | 952,274   | 29,236,832  | 3,663,688   | 39,529,484   |
| Average Weight  | 17.2     | 5.4         | 6.7       | 3.4         | 7.3         |              |
| Ex-vessel Value   | \$41,023 | \$3,965,986 | \$298,337 | \$5,658,113 | \$816,658   | \$10,780,116 |

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|   | Chinook  | Sockeye      | Coho      | Pink     | Chum      | Total        |
|---|----------|--------------|-----------|----------|-----------|--------------|
| <b>DRIFT GILLNET</b>  |          |              |           |          |           |              |
| <b>South Peninsula</b>  |          |              |           |          |           |              |
| Poundage  | 17,645   | 4,056,655    | 141,231   | 488,547  | 1,272,882 | 5,976,960    |
| Average Weight  | 17.6     | 5.2          | 6.4       | 3.1      | 6.5       |              |
| Ex-vessel Value   | \$19,170 | \$3,020,809  | \$55,331  | \$78,888 | \$262,378 | \$3,436,576  |
| <b>Northwestern District</b>                                    |          |              |           |          |           |              |
| Poundage  | 0        | 35,377       | 163       | 1,295    | 9,872     | 46,707       |
| Average Weight  |          | 6.0          | 7.8       | 4.1      | 7.6       |              |
| Ex-vessel Value   | \$0      | \$26,062     | \$37      | \$222    | \$2,002   | \$28,323     |
| <b>Northern District</b>  |          |              |           |          |           |              |
| Poundage  | 18,415   | 10,393,433   | 708,606   | 10,428   | 260,421   | 11,391,303   |
| Average Weight  | 16.9     | 5.6          | 7.4       | 3.1      | 7.2       |              |
| Ex-vessel Value   | \$12,711 | \$7,314,985  | \$312,161 | \$3,252  | \$58,438  | \$7,701,548  |
| <b>North Peninsula Total</b>                                    |          |              |           |          |           |              |
| Poundage  | 18,415   | 10,428,810   | 708,769   | 11,723   | 270,293   | 11,438,010   |
| Average Weight  | 16.9     | 5.6          | 7.4       | 3.2      | 7.2       |              |
| Ex-vessel Value   | \$12,711 | \$7,341,047  | \$312,198 | \$3,475  | \$60,440  | \$7,729,870  |
| <b>Area M</b>   |          |              |           |          |           |              |
| Poundage  | 36,060   | 14,485,465   | 850,000   | 500,270  | 1,543,175 | 17,414,970   |
| Average Weight  | 10.2     | 5.7          | 8.0       | 3.3      | 6.7       |              |
| Ex-vessel Value   | \$31,881 | \$10,361,856 | \$367,529 | \$82,363 | \$322,817 | \$11,166,446 |
| <b>South Unimak-Shumagin Islands June Fisheries<sup>a</sup></b> |          |              |           |          |           |              |
| Poundage  | 17,645   | 4,057,950    | 141,394   | 489,120  | 1,274,262 | 5,980,371    |
| Average Weight  | 17.6     | 5.2          | 6.4       | 3.1      | 6.5       |              |
| Ex-vessel Value   | \$19,170 | \$3,021,687  | \$55,367  | \$78,986 | \$262,547 | \$3,437,757  |

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|   | Chinook | Sockeye       | Coho      | Pink      | Chum      | Total       |
|---|---------|---------------|-----------|-----------|-----------|-------------|
| <b>SET GILLNET</b>  |         |               |           |           |           |             |
| <b>South Peninsula</b>  |         |               |           |           |           |             |
| Poundage  | 4,148   | 2,043,818     | 261,504   | 2,280,551 | 602,710   | 5,192,731   |
| Average Weight  | 14.2    | 6.2           | 7.0       | 3.6       | 7.4       |             |
| Ex-vessel Value (\$)  | \$3,368 | \$1,477,147.7 | \$116,704 | \$528,362 | \$147,086 | \$2,272,667 |
| <b>Northwestern District</b>                                    |         |               |           |           |           |             |
| Poundage  | 0       | 0             | 0         | 0         | 0         | 0           |
| Average Weight  |         |               |           |           |           |             |
| Ex-vessel Value (\$)  | \$0     | \$0           | \$0       | \$0       | \$0       | \$0         |
| <b>Northern District</b>  |         |               |           |           |           |             |
| Poundage  | 9,401   | 572,363       | 232,102   | 190       | 8,985     | 823,041     |
| Average Weight  | 13.3    | 5.9           | 8.0       | 3.0       | 8.7       |             |
| Ex-vessel Value (\$)  | \$4,382 | \$403,156     | \$104,036 | \$0       | \$2,208   | \$513,782   |
| <b>North Peninsula Total</b>                                    |         |               |           |           |           |             |
| Poundage  | 9,401   | 572,363       | 232,102   | 190       | 8,985     | 823,041     |
| Average Weight  | 13.2    | 5.7           | 8.2       | 5.2       | 7.9       |             |
| Ex-vessel Value (\$)  | \$4,382 | \$403,156     | \$104,036 | \$0       | \$2,208   | \$513,782   |
| <b>Area M</b>   |         |               |           |           |           |             |
| Poundage  | 13,549  | 2,616,181     | 493,606   | 2,280,741 | 611,695   | 6,015,772   |
| Average Weight  | 14.0    | 6.2           | 7.6       | 3.6       | 7.1       |             |
| Ex-vessel Value (\$)  | \$7,750 | \$1,880,303   | \$220,740 | \$528,362 | \$149,294 | \$2,786,450 |
| <b>South Unimak-Shumagin Islands June Fisheries<sup>a</sup></b> |         |               |           |           |           |             |
| Poundage  | 3,353   | 1,375,021     | 96,091    | 966,458   | 330,599   | 2,771,522   |
| Average Weight  | 15.0    | 6.1           | 7.2       | 3.4       | 7.3       |             |
| Ex-vessel Value (\$)  | \$2,647 | \$988,108     | \$37,368  | \$195,848 | \$71,955  | \$1,295,926 |

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|   | Chinook  | Sockeye      | Coho      | Pink         | Chum        | Total        |
|---|----------|--------------|-----------|--------------|-------------|--------------|
| <b>ALL GEAR COMBINED</b>  |          |              |           |              |             |              |
| <b>South Peninsula</b>  |          |              |           |              |             |              |
| Poundage  | 74,484   | 12,215,489   | 1,524,530 | 43,253,965   | 5,707,688   | 62,776,156   |
| Average Weight  | 17.1     | 5.5          | 6.8       | 3.4          | 7.1         |              |
| Ex-vessel Value (\$)  | \$69,329 | \$8,791,832  | \$543,204 | \$9,422,538  | \$1,305,826 | \$20,132,728 |
| <b>Northwestern District</b>                                    |          |              |           |              |             |              |
| Poundage  | 126      | 307,185      | 319       | 60,406       | 828,816     | 1,196,852    |
| Average Weight  | 21.0     | 6.0          | 7.6       | 3.7          | 8.0         |              |
| Ex-vessel Value (\$)  | \$71     | \$204,477    | \$109     | \$10,985     | \$186,708   | \$402,350    |
| <b>Northern District</b>  |          |              |           |              |             |              |
| Poundage  | 27,816   | 10,965,796   | 940,708   | 14,255       | 533,874     | 12,482,449   |
| Average Weight  | 15.5     | 5.6          | 7.5       | 3.1          | 7.3         |              |
| Ex-vessel Value (\$)  | \$17,094 | \$7,718,141  | \$416,197 | \$3,776      | \$112,536   | \$8,267,743  |
| <b>North Peninsula Total</b>                                    |          |              |           |              |             |              |
| Poundage  | 27,942   | 11,272,981   | 941,027   | 74,661       | 1,362,690   | 13,679,301   |
| Average Weight  | 15.5     | 5.6          | 7.5       | 3.5          | 7.7         |              |
| Ex-vessel Value (\$)  | \$17,165 | \$7,922,617  | \$416,306 | \$14,760     | \$299,244   | \$8,670,093  |
| <b>Aleutian Islands Total</b>                                   |          |              |           |              |             |              |
| Poundage  | 20       | 141          | 268       | 2,900,768    | 2,482       | 2,903,679    |
| Average Weight  | 20.0     | 4.9          | 5.6       | 3.7          | 9.5         |              |
| Ex-vessel Value (\$)  | \$5      | \$32         | \$67      | \$714,469    | \$715       | \$715,288    |
| <b>Area M</b>   |          |              |           |              |             |              |
| Poundage  | 102,446  | 23,488,611   | 2,465,825 | 46,229,394   | 7,072,860   | 79,359,136   |
| Average Weight  | 12.9     | 5.6          | 6.7       | 3.7          | 7.1         |              |
| Ex-vessel Value (\$)  | \$86,499 | \$16,714,481 | \$959,577 | \$10,151,768 | \$1,605,785 | \$29,518,109 |
| <b>South Unimak-Shumagin Islands June Fisheries<sup>a</sup></b> |          |              |           |              |             |              |
| Poundage  | 68,211   | 11,062,448   | 1,189,759 | 30,692,410   | 5,268,549   | 48,281,377   |
| Average Weight  | 17.2     | 5.4          | 6.7       | 3.4          | 7.1         |              |
| Ex-vessel Value (\$)  | \$62,840 | \$7,975,781  | \$391,071 | \$5,932,947  | \$1,151,160 | \$15,513,800 |

Note: Values do not include test fisheries.

<sup>a</sup> These values are included in the South Peninsula and total Alaska Peninsula and Aleutian Islands Areas.

Appendix A4.—Alaska Peninsula and Aleutian Islands Management Areas estimated ex-vessel value of commercially caught salmon by year, species, and gear, 1979-2008.

| Year | Gear          | Ex-vessel Value |              |             |              |             | Total        |
|------|---------------|-----------------|--------------|-------------|--------------|-------------|--------------|
|      |               | Chinook         | Sockeye      | Coho        | Pink         | Chum        |              |
| 1979 | Seine         | \$41,024        | \$5,806,222  | \$2,403,576 | \$9,544,217  | \$1,706,042 | \$19,501,081 |
|      | Drift Gillnet | \$240,779       | \$11,753,626 | \$441,669   | \$39,800     | \$263,172   | \$12,739,046 |
|      | Set Gillnet   | \$201,398       | \$2,505,152  | \$355,256   | \$123,283    | \$158,286   | \$3,343,375  |
|      | Total         | \$483,201       | \$20,065,000 | \$3,200,501 | \$9,707,300  | \$2,127,500 | \$35,583,502 |
| 1980 | Seine         | \$58,969        | \$9,244,048  | \$933,974   | \$13,857,200 | \$4,534,200 | \$28,628,391 |
|      | Drift Gillnet | \$152,604       | \$5,505,669  | \$291,213   | \$9,800      | \$1,077,000 | \$7,036,286  |
|      | Set Gillnet   | \$88,426        | \$1,250,283  | \$274,813   | \$133,000    | \$388,800   | \$2,135,322  |
|      | Total         | \$299,999       | \$16,000,000 | \$1,500,000 | \$14,000,000 | \$6,000,000 | \$37,799,999 |
| 1981 | Seine         | \$149,904       | \$7,555,092  | \$818,867   | \$7,780,053  | \$6,186,088 | \$22,490,004 |
|      | Drift Gillnet | \$227,880       | \$12,919,049 | \$402,703   | \$23,122     | \$1,387,760 | \$14,960,514 |
|      | Set Gillnet   | \$162,216       | \$3,359,859  | \$440,430   | \$169,825    | \$485,152   | \$4,617,482  |
|      | Total         | \$540,000       | \$23,834,000 | \$1,662,000 | \$7,973,000  | \$8,059,000 | \$42,068,000 |
| 1982 | Seine         | \$159,719       | \$7,342,780  | \$1,193,753 | \$6,273,624  | \$5,222,369 | \$20,192,245 |
|      | Drift Gillnet | \$482,670       | \$9,920,524  | \$790,307   | \$53,286     | \$2,086,026 | \$13,332,813 |
|      | Set Gillnet   | \$299,612       | \$1,690,697  | \$701,940   | \$93,090     | \$380,606   | \$3,165,945  |
|      | Total         | \$942,001       | \$18,954,001 | \$2,686,000 | \$6,420,000  | \$7,689,001 | \$36,691,003 |
| 1983 | Seine         | \$290,228       | \$7,710,942  | \$413,021   | \$2,798,538  | \$3,682,741 | \$14,895,470 |
|      | Drift Gillnet | \$264,657       | \$11,836,113 | \$106,775   | \$8,857      | \$799,006   | \$13,015,408 |
|      | Set Gillnet   | \$138,115       | \$2,438,945  | \$233,204   | \$79,605     | \$207,254   | \$3,097,123  |
|      | Total         | \$693,000       | \$21,986,000 | \$753,000   | \$2,887,000  | \$4,689,001 | \$31,008,001 |
| 1984 | Seine         | \$162,878       | \$6,927,466  | \$1,283,032 | \$12,265,369 | \$3,384,960 | \$24,023,705 |
|      | Drift Gillnet | \$366,861       | \$8,895,318  | \$721,161   | \$88,448     | \$1,218,684 | \$11,290,472 |
|      | Set Gillnet   | \$160,861       | \$3,680,216  | \$524,907   | \$241,183    | \$316,356   | \$4,923,523  |
|      | Total         | \$690,600       | \$19,503,000 | \$2,529,100 | \$12,595,000 | \$4,920,000 | \$40,237,700 |
| 1985 | Seine         | \$111,106       | \$8,835,393  | \$966,202   | \$3,590,683  | \$3,367,800 | \$16,871,184 |
|      | Drift Gillnet | \$313,931       | \$15,569,329 | \$528,289   | \$20,455     | \$804,537   | \$17,236,541 |
|      | Set Gillnet   | \$196,363       | \$3,651,278  | \$559,510   | \$176,901    | \$190,663   | \$4,774,715  |
|      | Total         | \$621,400       | \$28,056,000 | \$2,054,001 | \$3,788,039  | \$4,363,000 | \$38,882,440 |
| 1986 | Seine         | \$63,512        | \$7,218,401  | \$1,109,746 | \$2,665,608  | \$4,151,941 | \$15,209,208 |
|      | Drift Gillnet | \$102,301       | \$19,594,136 | \$462,212   | \$28,793     | \$688,716   | \$20,876,158 |
|      | Set Gillnet   | \$59,587        | \$4,274,463  | \$414,342   | \$74,198     | \$243,344   | \$5,065,934  |
|      | Total         | \$225,400       | \$31,087,000 | \$1,986,300 | \$2,768,599  | \$5,084,001 | \$41,151,300 |
| 1987 | Seine         | \$174,544       | \$7,305,460  | \$1,383,112 | \$1,691,295  | \$3,320,666 | \$13,875,077 |
|      | Drift Gillnet | \$247,653       | \$14,594,398 | \$908,674   | \$9,073      | \$1,185,440 | \$16,945,238 |
|      | Set Gillnet   | \$98,803        | \$5,636,742  | \$664,213   | \$78,632     | \$273,894   | \$6,752,284  |
|      | Total         | \$521,000       | \$27,536,600 | \$2,955,999 | \$1,779,000  | \$4,780,000 | \$37,572,599 |

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| Year              | Gear          | Ex-vessel Value |              |             |              |              |              |
|-------------------|---------------|-----------------|--------------|-------------|--------------|--------------|--------------|
|                   |               | Chinook         | Sockeye      | Coho        | Pink         | Chum         | Total        |
| 1988              | Seine         | \$232,723       | \$11,952,232 | \$3,534,600 | \$19,005,582 | \$10,403,088 | \$45,128,225 |
|                   | Drift Gillnet | \$297,533       | \$23,503,525 | \$1,742,790 | \$506,192    | \$3,213,893  | \$29,263,933 |
|                   | Set Gillnet   | \$142,743       | \$7,280,243  | \$1,172,610 | \$817,226    | \$787,019    | \$10,199,841 |
|                   | Total         | \$672,999       | \$42,736,000 | \$6,450,000 | \$20,329,000 | \$14,404,000 | \$84,591,999 |
| 1989              | Seine         | \$117,486       | \$14,925,204 | \$1,831,648 | \$8,958,999  | \$1,947,290  | \$27,780,627 |
|                   | Drift Gillnet | \$159,100       | \$18,253,184 | \$1,292,059 | \$113,538    | \$890,441    | \$20,708,322 |
|                   | Set Gillnet   | \$89,414        | \$6,112,612  | \$870,293   | \$468,463    | \$273,268    | \$7,814,050  |
|                   | Total         | \$366,000       | \$39,291,000 | \$3,994,000 | \$9,541,000  | \$3,110,999  | \$56,302,999 |
| 1990              | Seine         | \$239,867       | \$12,937,460 | \$1,354,192 | \$3,369,540  | \$2,368,008  | \$20,269,067 |
|                   | Drift Gillnet | \$271,284       | \$22,736,487 | \$940,241   | \$52,242     | \$670,851    | \$24,671,105 |
|                   | Set Gillnet   | \$91,435        | \$6,685,754  | \$670,804   | \$69,974     | \$197,143    | \$7,715,110  |
|                   | Total         | \$602,586       | \$42,359,701 | \$2,965,237 | \$3,491,756  | \$3,236,002  | \$52,655,282 |
| 1991 <sup>a</sup> | Seine         | \$66,000        | \$6,100,000  | \$620,000   | \$3,776,000  | \$1,750,000  | \$12,312,000 |
|                   | Drift Gillnet | \$62,000        | \$12,000,000 | \$649,000   | \$13,000     | \$600,690    | \$13,324,690 |
|                   | Set Gillnet   | \$46,600        | \$4,541,600  | \$245,000   | \$143,700    | \$259,910    | \$5,236,810  |
|                   | Total         | \$174,600       | \$22,641,600 | \$1,514,000 | \$3,932,700  | \$2,610,600  | \$30,873,500 |
| 1992 <sup>a</sup> | Seine         | \$102,000       | \$17,044,000 | \$1,162,000 | \$5,315,000  | \$2,534,000  | \$26,157,000 |
|                   | Drift Gillnet | \$94,000        | \$32,344,000 | \$540,000   | \$103,000    | \$458,000    | \$33,539,000 |
|                   | Set Gillnet   | \$58,600        | \$8,635,000  | \$594,000   | \$261,000    | \$214,000    | \$9,762,600  |
|                   | Total         | \$254,600       | \$58,023,000 | \$2,296,000 | \$5,679,000  | \$3,206,000  | \$69,458,600 |
| 1993 <sup>a</sup> | Seine         | \$140,000       | \$10,261,000 | \$402,000   | \$4,521,000  | \$1,640,000  | \$16,964,000 |
|                   | Drift Gillnet | \$114,000       | \$20,204,000 | \$147,000   | \$5,000      | \$314,000    | \$20,784,000 |
|                   | Set Gillnet   | \$67,000        | \$4,523,000  | \$280,000   | \$141,000    | \$122,000    | \$5,133,000  |
|                   | Total         | \$321,000       | \$34,988,000 | \$829,000   | \$4,667,000  | \$2,076,000  | \$42,881,000 |
| 1994 <sup>a</sup> | Seine         | \$91,430        | \$5,525,400  | \$655,025   | \$4,987,020  | \$3,298,450  | \$14,557,325 |
|                   | Drift Gillnet | \$63,360        | \$16,912,700 | \$513,600   | \$63,220     | \$305,070    | \$17,857,950 |
|                   | Set Gillnet   | \$32,140        | \$4,506,000  | \$551,140   | \$174,390    | \$250,050    | \$5,513,720  |
|                   | Total         | \$186,930       | \$26,944,100 | \$1,719,765 | \$5,224,630  | \$3,853,570  | \$37,928,995 |
| 1995 <sup>a</sup> | Seine         | \$215,270       | \$9,365,000  | \$492,000   | \$9,460,760  | \$2,118,300  | \$21,651,330 |
|                   | Drift Gillnet | \$66,220        | \$22,170,800 | \$187,010   | \$29,600     | \$421,550    | \$22,875,180 |
|                   | Set Gillnet   | \$47,650        | \$5,860,000  | \$227,000   | \$385,770    | \$200,578    | \$6,720,998  |
|                   | Total         | \$329,140       | \$37,395,800 | \$906,010   | \$9,876,130  | \$2,740,428  | \$51,247,508 |
| 1996 <sup>a</sup> | Seine         | \$27,168        | \$2,846,000  | \$448,000   | \$361,702    | \$260,600    | \$3,943,470  |
|                   | Drift Gillnet | \$24,045        | \$9,472,000  | \$232,300   | \$15,501     | \$88,490     | \$9,832,336  |
|                   | Set Gillnet   | \$13,512        | \$4,402,700  | \$268,020   | \$60,167     | \$59,650     | \$4,804,049  |
|                   | Total         | \$64,725        | \$16,720,700 | \$948,320   | \$437,370    | \$408,740    | \$18,579,855 |

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| Year              | Gear          | Ex-vessel Value |              |           |             |           | Total        |
|-------------------|---------------|-----------------|--------------|-----------|-------------|-----------|--------------|
|                   |               | Chinook         | Sockeye      | Coho      | Pink        | Chum      |              |
| 1997 <sup>a</sup> | Seine         | \$32,730        | \$3,302,000  | \$79,150  | \$1,029,510 | \$342,200 | \$4,785,590  |
|                   | Drift Gillnet | \$54,160        | \$15,330,000 | \$141,300 | \$29,600    | \$128,380 | \$15,683,440 |
|                   | Set Gillnet   | \$25,320        | \$5,890,600  | \$210,950 | \$35,320    | \$49,249  | \$6,211,439  |
|                   | Total         | \$112,210       | \$24,522,600 | \$431,400 | \$1,094,430 | \$519,829 | \$26,680,469 |
| 1998 <sup>a</sup> | Seine         | \$21,007        | \$3,777,000  | \$221,000 | \$3,058,500 | \$356,000 | \$7,433,507  |
|                   | Drift Gillnet | \$17,450        | \$10,787,000 | \$219,800 | \$104,400   | \$181,600 | \$11,310,250 |
|                   | Set Gillnet   | \$16,041        | \$5,074,600  | \$147,200 | \$240,319   | \$121,524 | \$5,599,684  |
|                   | Total         | \$54,498        | \$19,638,600 | \$588,000 | \$3,403,219 | \$659,124 | \$24,343,441 |
| 1999 <sup>a</sup> | Seine         | \$21,000        | \$7,086,000  | \$236,000 | \$3,000,016 | \$368,023 | \$10,711,039 |
|                   | Drift Gillnet | \$20,900        | \$13,648,600 | \$116,300 | \$6,350     | \$128,086 | \$13,920,236 |
|                   | Set Gillnet   | \$12,300        | \$7,792,000  | \$87,700  | \$151,030   | \$93,250  | \$8,136,280  |
|                   | Total         | \$54,200        | \$28,526,600 | \$440,000 | \$3,157,396 | \$589,359 | \$32,767,555 |
| 2000 <sup>a</sup> | Seine         | \$19,040        | \$3,430,000  | \$332,110 | \$1,372,000 | \$616,000 | \$5,769,150  |
|                   | Drift Gillnet | \$24,320        | \$12,131,000 | \$91,400  | \$15,076    | \$149,400 | \$12,411,196 |
|                   | Set Gillnet   | \$9,115         | \$4,461,500  | \$118,750 | \$127,047   | \$117,363 | \$4,833,775  |
|                   | Total         | \$52,475        | \$20,022,500 | \$542,260 | \$1,514,123 | \$882,763 | \$23,014,121 |
| 2001 <sup>a</sup> | Seine         | \$4,658         | \$522,000    | \$144,001 | \$1,219,050 | \$646,616 | \$2,536,325  |
|                   | Drift Gillnet | \$9,351         | \$3,267,000  | \$56,740  | \$11,784    | \$78,492  | \$3,423,367  |
|                   | Set Gillnet   | \$9,735         | \$1,533,700  | \$37,576  | \$105,213   | \$117,091 | \$1,803,315  |
|                   | Total         | \$23,744        | \$5,322,700  | \$238,317 | \$1,336,047 | \$842,199 | \$7,763,007  |
| 2002 <sup>a</sup> | Seine         | \$15,969        | \$1,276,000  | \$106,401 | \$634,000   | \$455,537 | \$2,487,907  |
|                   | Drift Gillnet | \$10,879        | \$4,218,000  | \$30,405  | \$8,260     | \$128,010 | \$4,395,554  |
|                   | Set Gillnet   | \$7,444         | \$1,971,700  | \$21,462  | \$75,020    | \$50,439  | \$2,126,065  |
|                   | Total         | \$34,292        | \$7,465,700  | \$158,268 | \$717,280   | \$633,986 | \$9,009,526  |
| 2003 <sup>a</sup> | Seine         | \$6,824         | \$1,091,084  | \$52,000  | \$743,012   | \$324,911 | \$2,217,831  |
|                   | Drift Gillnet | \$11,582        | \$4,433,190  | \$61,313  | \$10,341    | \$83,203  | \$4,599,629  |
|                   | Set Gillnet   | \$6,015         | \$2,346,327  | \$81,000  | \$70,004    | \$49,149  | \$2,552,495  |
|                   | Total         | \$24,421        | \$7,870,601  | \$194,313 | \$823,357   | \$457,263 | \$9,369,955  |
| 2004 <sup>a</sup> | Seine         | \$37,019        | \$3,439,099  | \$125,000 | \$1,456,300 | \$407,504 | \$5,464,922  |
|                   | Drift Gillnet | \$47,700        | \$7,104,216  | \$45,210  | \$7,400     | \$74,380  | \$7,278,906  |
|                   | Set Gillnet   | \$15,000        | \$3,341,111  | \$79,000  | \$51,030    | \$46,077  | \$3,532,218  |
|                   | Total         | \$99,719        | \$13,884,426 | \$249,210 | \$1,514,730 | \$527,961 | \$16,276,046 |
| 2005 <sup>a</sup> | Seine         | \$16,053        | \$4,208,707  | \$127,659 | \$2,107,053 | \$419,752 | \$6,879,224  |
|                   | Drift Gillnet | \$40,844        | \$10,755,107 | \$111,737 | \$13,092    | \$84,776  | \$11,005,556 |
|                   | Set Gillnet   | \$16,674        | \$4,646,029  | \$101,015 | \$100,064   | \$65,000  | \$4,928,782  |
|                   | Total         | \$73,571        | \$19,609,843 | \$340,411 | \$2,220,209 | \$569,528 | \$22,813,562 |

-continued-

Appendix A4.–Page 4 of 4.

| Year                              | Gear          | Ex-vessel Value |              |             |              |             | Total        |
|-----------------------------------|---------------|-----------------|--------------|-------------|--------------|-------------|--------------|
|                                   |               | Chinook         | Sockeye      | Coho        | Pink         | Chum        |              |
| 2006 <sup>a</sup>                 | Seine         | \$36,580        | \$2,829,392  | \$128,636   | \$1,514,315  | \$1,034,961 | \$5,543,884  |
|                                   | Drift Gillnet | \$32,072        | \$7,407,573  | \$132,248   | \$12,290     | \$127,860   | \$7,712,043  |
|                                   | Set Gillnet   | \$17,264        | \$3,255,140  | \$213,534   | \$100,192    | \$69,010    | \$3,655,140  |
|                                   | Total         | \$85,916        | \$13,492,105 | \$474,418   | \$1,626,797  | \$1,231,831 | \$16,911,067 |
| 2007 <sup>a</sup>                 | Seine         | \$45,840        | \$4,415,759  | \$125,321   | \$3,596,347  | \$575,326   | \$8,758,593  |
|                                   | Drift Gillnet | \$40,059        | \$13,695,882 | \$108,545   | \$7,851      | \$165,827   | \$14,018,165 |
|                                   | Set Gillnet   | \$13,563        | \$3,291,054  | \$160,702   | \$287,656    | \$71,606    | \$3,824,582  |
|                                   | Total         | \$99,463        | \$21,402,695 | \$394,568   | \$3,891,854  | \$812,759   | \$26,601,340 |
| 2008 <sup>a</sup>                 | Seine         | \$46,867        | \$4,472,322  | \$371,309   | \$9,541,042  | \$1,133,673 | \$15,565,214 |
|                                   | Drift Gillnet | \$31,881        | \$10,361,856 | \$367,529   | \$82,363     | \$322,817   | \$11,166,446 |
|                                   | Set Gillnet   | \$7,750         | \$1,880,303  | \$220,740   | \$528,362    | \$149,294   | \$2,786,450  |
|                                   | Total         | \$86,499        | \$16,714,481 | \$959,577   | \$10,151,768 | \$1,605,785 | \$29,518,109 |
| 1998-2007<br>Average <sup>a</sup> | Seine         | \$22,399        | \$3,207,504  | \$159,813   | \$1,870,059  | \$520,463   | \$5,780,238  |
|                                   | Drift Gillnet | \$25,516        | \$8,744,757  | \$97,370    | \$19,684     | \$120,163   | \$9,007,490  |
|                                   | Set Gillnet   | \$12,315        | \$3,771,316  | \$104,794   | \$130,758    | \$80,051    | \$4,099,234  |
|                                   | Total         | \$60,230        | \$15,723,577 | \$361,977   | \$2,020,501  | \$720,677   | \$18,886,962 |
| 1988-1997<br>Average <sup>a</sup> | Seine         | \$126,467       | \$9,425,830  | \$1,057,862 | \$6,078,511  | \$2,666,194 | \$19,354,863 |
|                                   | Drift Gillnet | \$120,570       | \$19,292,670 | \$638,530   | \$93,089     | \$709,137   | \$20,853,996 |
|                                   | Set Gillnet   | \$61,441        | \$5,843,751  | \$508,982   | \$255,701    | \$241,287   | \$6,911,162  |
|                                   | Total         | \$308,479       | \$34,562,250 | \$2,205,373 | \$6,427,302  | \$3,616,617 | \$47,120,021 |

<sup>a</sup> Area M fishermen only.

Appendix A5.—Average weights and approximate ex-vessel prices for salmon in the Alaska Peninsula, Aleutian Islands, and Atka-Amlia areas, 1979-2008.

| Year      | Average Weight (lbs) |         |      |      |      | Average Price (\$/lb) <sup>a</sup> |         |      |      |      |
|-----------|----------------------|---------|------|------|------|------------------------------------|---------|------|------|------|
|           | Chinook              | Sockeye | Coho | Pink | Chum | Chinook                            | Sockeye | Coho | Pink | Chum |
| 1979      | 22.9                 | 5.8     | 7.4  | 3.6  | 7.3  | 1.18                               | 1.10    | 0.92 | 0.38 | 0.53 |
| 1980      | 19.4                 | 5.2     | 6.4  | 3.2  | 6.6  | 0.72                               | 0.62    | 0.58 | 0.40 | 0.44 |
| 1981      | 17.9                 | 5.8     | 7.5  | 3.6  | 7.2  | 1.02                               | 1.00    | 0.70 | 0.42 | 0.45 |
| 1982      | 19.6                 | 5.9     | 7.8  | 3.1  | 7.4  | 1.21                               | 0.85    | 0.70 | 0.25 | 0.40 |
| 1983      | 17.5                 | 5.5     | 7.6  | 3.8  | 6.9  | 0.71                               | 0.86    | 0.49 | 0.27 | 0.33 |
| 1984      | 19.5                 | 5.7     | 7.8  | 3.6  | 7.2  | 1.11                               | 0.83    | 0.63 | 0.25 | 0.28 |
| 1985      | 19.5                 | 5.4     | 7.8  | 4.1  | 7.0  | 1.06                               | 1.09    | 0.75 | 0.21 | 0.31 |
| 1986      | 17.4                 | 6.0     | 7.1  | 3.4  | 7.1  | 0.75                               | 1.41    | 0.70 | 0.20 | 0.35 |
| 1987      | 18.6                 | 6.3     | 7.6  | 3.5  | 7.1  | 1.20                               | 1.65    | 0.98 | 0.25 | 0.39 |
| 1988      | 17.1                 | 6.0     | 7.5  | 3.6  | 7.5  | 1.41                               | 2.36    | 1.16 | 0.78 | 0.83 |
| 1989      | 17.9                 | 5.8     | 7.3  | 3.8  | 6.8  | 1.14                               | 1.54    | 0.82 | 0.35 | 0.40 |
| 1990      | 16.4                 | 5.7     | 7.5  | 3.1  | 6.6  | 1.25                               | 1.53    | 0.79 | 0.31 | 0.36 |
| 1991      | 16.4                 | 5.6     | 6.9  | 3.1  | 6.4  | 0.77                               | 0.86    | 0.53 | 0.12 | 0.23 |
| 1992      | 16.4                 | 5.6     | 6.9  | 3.3  | 6.7  | 0.97                               | 1.47    | 0.63 | 0.17 | 0.29 |
| 1993      | 17.2                 | 5.7     | 6.3  | 3.4  | 6.3  | 0.80                               | 0.82    | 0.49 | 0.14 | 0.28 |
| 1994      | 18.4                 | 5.5     | 8.2  | 3.4  | 6.7  | 0.61                               | 1.01    | 0.57 | 0.15 | 0.25 |
| 1995      | 19.8                 | 5.4     | 6.7  | 3.6  | 7.0  | 0.74                               | 1.10    | 0.42 | 0.17 | 0.22 |
| 1996      | 17.1                 | 6.0     | 7.3  | 3.3  | 7.4  | 0.40                               | 0.81    | 0.34 | 0.06 | 0.07 |
| 1997      | 16.0                 | 5.8     | 7.4  | 3.3  | 6.8  | 0.55                               | 0.97    | 0.40 | 0.15 | 0.11 |
| 1998      | 15.3                 | 5.7     | 7.6  | 3.5  | 7.1  | 0.40                               | 1.06    | 0.38 | 0.12 | 0.12 |
| 1999      | 15.1                 | 5.3     | 6.1  | 3.1  | 6.8  | 0.39                               | 1.13    | 0.30 | 0.12 | 0.10 |
| 2000      | 15.4                 | 5.9     | 6.9  | 2.9  | 7.6  | 0.38                               | 0.86    | 0.26 | 0.14 | 0.10 |
| 2001      | 14.2                 | 6.0     | 6.9  | 3.7  | 7.7  | 0.25                               | 0.51    | 0.15 | 0.09 | 0.10 |
| 2002      | 13.4                 | 5.5     | 6.8  | 3.6  | 7.3  | 0.25                               | 0.55    | 0.10 | 0.08 | 0.10 |
| 2003      | 13.4                 | 6.0     | 7.6  | 3.8  | 6.8  | 0.25                               | 0.52    | 0.14 | 0.05 | 0.10 |
| 2004      | 16.0                 | 5.7     | 6.7  | 3.3  | 6.6  | 0.36                               | 0.52    | 0.14 | 0.07 | 0.10 |
| 2005      | 13.5                 | 6.1     | 6.9  | 3.2  | 6.6  | 0.40                               | 0.59    | 0.24 | 0.07 | 0.11 |
| 2006      | 13.8                 | 5.8     | 6.6  | 3.4  | 7.5  | 0.70                               | 0.56    | 0.28 | 0.09 | 0.14 |
| 2007      | 12.9                 | 5.6     | 6.7  | 3.7  | 7.1  | 0.60                               | 0.65    | 0.27 | 0.13 | 0.13 |
| 2008      | 12.9                 | 5.6     | 6.7  | 3.7  | 7.1  | 0.92                               | 0.72    | 0.36 | 0.22 | 0.23 |
| 1979-1996 |                      |         |      |      |      |                                    |         |      |      |      |
| Average   | 18.3                 | 5.7     | 7.3  | 3.5  | 7.0  | 0.95                               | 1.16    | 0.68 | 0.27 | 0.36 |
| 1997-2007 |                      |         |      |      |      |                                    |         |      |      |      |
| Average   | 14.5                 | 5.8     | 6.9  | 3.4  | 7.1  | 0.41                               | 0.72    | 0.24 | 0.10 | 0.11 |

<sup>a</sup> Does not include processor bonuses, incentives, or postseason adjustments.

Appendix A6.—Number of Area M and Area T limited entry permits and fishing effort in the Alaska Peninsula and Aleutian Islands Management Areas, 1975-2008.

| Year      | Purse Seine                 |                             | Drift Gillnet               |                             |                               | Set Gillnet                 |                             |                               |
|-----------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-------------------------------|-----------------------------|-----------------------------|-------------------------------|
|           | Area M                      | Area M                      | Area M                      | Area M                      | Area T                        | Area M                      | Area M                      | Area T                        |
|           | Active Permits <sup>a</sup> | Permits <sup>b</sup> Fished | Active Permits <sup>a</sup> | Permits <sup>b</sup> Fished | Permits <sup>b,c</sup> Fished | Active Permits <sup>a</sup> | Permits <sup>b</sup> Fished | Permits <sup>b,c</sup> Fished |
| 1975      | 126                         | 56                          | 173                         | 102                         | 6                             | 110                         | 40                          | <sup>d</sup>                  |
| 1976      | 114                         | 90                          | 155                         | 118                         | 10                            | 116                         | 53                          | 6                             |
| 1977      | 113                         | 87                          | 156                         | 114                         | 15                            | 109                         | 57                          | 8                             |
| 1978      | 123                         | 115                         | 158                         | 133                         | 26                            | 114                         | 61                          | 8                             |
| 1979      | 123                         | 136                         | 161                         | 178                         | 21                            | 115                         | 86                          | 10                            |
| 1980      | 125                         | 126                         | 163                         | 157                         | 25                            | 115                         | 88                          | 16                            |
| 1981      | 127                         | 122                         | 164                         | 155                         | 18                            | 117                         | 88                          | 21                            |
| 1982      | 127                         | 119                         | 164                         | 159                         | 23                            | 117                         | 94                          | 18                            |
| 1983      | 127                         | 122                         | 166                         | 159                         | 18                            | 116                         | 94                          | 7                             |
| 1984      | 126                         | 121                         | 165                         | 158                         | 44                            | 115                         | 103                         | 15                            |
| 1985      | 127                         | 123                         | 165                         | 158                         | 44                            | 115                         | 103                         | 18                            |
| 1986      | 125                         | 121                         | 165                         | 163                         | 37                            | 116                         | 100                         | 7                             |
| 1987      | 125                         | 116                         | 165                         | 163                         | 48                            | 116                         | 108                         | 9                             |
| 1988      | 124                         | 114                         | 163                         | 162                         | 59                            | 116                         | 106                         | 14                            |
| 1989      | 126                         | 119                         | 164                         | 158                         | 64                            | 116                         | 111                         | 18                            |
| 1990      | 126                         | 121                         | 164                         | 166                         | 63                            | 116                         | 114                         | 15                            |
| 1991      | 126                         | 126                         | 164                         | 162                         | 68                            | 116                         | 111                         | 12                            |
| 1992      | 125                         | 119                         | 164                         | 161                         | 102                           | 116                         | 111                         | 18                            |
| 1993      | 125                         | 123                         | 164                         | 162                         | 50                            | 116                         | 114                         | 11                            |
| 1994      | 124                         | 118                         | 164                         | 164                         | 77                            | 116                         | 108                         | 9                             |
| 1995      | 124                         | 118                         | 164                         | 164                         | 81                            | 116                         | 110                         | 12                            |
| 1996      | 124                         | 102                         | 164                         | 164                         | 32                            | 116                         | 110                         | 6                             |
| 1997      | 122                         | 82                          | 164                         | 158                         | 42                            | 116                         | 110                         | 10                            |
| 1998      | 122                         | 79                          | 164                         | 159                         | 60                            | 115                         | 112                         | 7                             |
| 1999      | 121                         | 74                          | 164                         | 160                         | 21                            | 115                         | 107                         | <sup>d</sup>                  |
| 2000      | 121                         | 76                          | 161                         | 156                         | 27                            | 115                         | 109                         | <sup>d</sup>                  |
| 2001      | 121                         | 64                          | 160                         | 137                         | 4                             | 115                         | 99                          | <sup>d</sup>                  |
| 2002      | 122                         | 42                          | 160                         | 114                         | <sup>d</sup>                  | 115                         | 92                          | 0                             |
| 2003      | 120                         | 46                          | 160                         | 110                         | 4                             | 115                         | 86                          | 0                             |
| 2004      | 122                         | 42                          | 161                         | 117                         | <sup>d</sup>                  | 115                         | 86                          | 0                             |
| 2005      | 121                         | 46                          | 162                         | 131                         | 10                            | 115                         | 93                          | <sup>d</sup>                  |
| 2006      | 119                         | 43                          | 162                         | 133                         | 6                             | 114                         | 95                          | 0                             |
| 2007      | 118                         | 46                          | 162                         | 127                         | 0                             | 114                         | 90                          | 0                             |
| 2008      | 118                         | 55                          | 162                         | 131                         | 0                             | 113                         | 83                          | 0                             |
| 1998-2007 |                             |                             |                             |                             |                               |                             |                             |                               |
| Average   | 121                         | 56                          | 162                         | 134                         | 17                            | 115                         | 97                          | 1                             |

<sup>a</sup> Active Permits are defined as follows: all permanent permits, regardless of whether they have been renewed, and interim use and interim entry permits that have been issued. Excluded from Active Permits are any permits that have been revoked and interim permits that have not been issued (renewed) for the given year.

<sup>b</sup> Making at least one delivery during the year.

<sup>c</sup> During a portion of the season, in specific sections, Area T set and drift gillnet fishermen are allowed to fish in portions of the Alaska Peninsula Area.

<sup>d</sup> Confidentiality rules prohibit the release of this information.

Appendix A7.—Number of Area T permit holders fishing by general location in the Alaska Peninsula area, 1984-2008.

| Year | Drift Gillnet            |             |              |              | Set Gillnet  |              |              |
|------|--------------------------|-------------|--------------|--------------|--------------|--------------|--------------|
|      | Ilnik and Outer          | Inner       | Cinder       | Total        | Inner        | Cinder       | Total        |
|      | Port Heiden <sup>a</sup> | Port Heiden | River        | Area T       | Port Heiden  | River        | Area T       |
| 1984 | 8                        | 19          | 25           | 52           | 4            | 11           | 15           |
| 1985 | 0                        | 25          | 23           | 48           | 6            | 11           | 18           |
| 1986 | 13                       | 23          | <sup>b</sup> | 37           | 7            | 0            | 7            |
| 1987 | 17                       | 23          | 10           | 50           | 5            | 4            | 9            |
| 1988 | 22                       | 28          | 18           | 68           | 7            | 7            | 14           |
| 1989 | 34                       | 22          | 15           | 71           | 5            | 13           | 18           |
| 1990 | 0                        | 28          | 39           | 67           | 5            | 11           | 15           |
| 1991 | 0                        | 22          | 50           | 72           | 4            | 8            | 12           |
| 1992 | 0                        | 20          | 85           | 105          | 4            | 14           | 18           |
| 1993 | 0                        | 17          | 34           | 51           | <sup>b</sup> | 8            | <sup>b</sup> |
| 1994 | 0                        | 18          | 59           | 77           | <sup>b</sup> | 7            | <sup>b</sup> |
| 1995 | 0                        | 19          | 62           | 81           | 5            | 7            | 12           |
| 1996 | 0                        | 0           | 32           | 32           | 0            | 6            | 6            |
| 1997 | 0                        | 17          | 25           | 42           | <sup>b</sup> | 7            | <sup>b</sup> |
| 1998 | 0                        | 10          | 50           | 60           | <sup>b</sup> | 6            | <sup>b</sup> |
| 1999 | 0                        | 9           | 12           | 21           | 0            | <sup>b</sup> | <sup>b</sup> |
| 2000 | 0                        | 12          | 15           | 27           | <sup>b</sup> | <sup>b</sup> | <sup>b</sup> |
| 2001 | 0                        | 0           | 4            | 4            | 0            | <sup>b</sup> | <sup>b</sup> |
| 2002 | 0                        | 0           | <sup>b</sup> | <sup>b</sup> | 0            | 0            | 0            |
| 2003 | 0                        | 0           | 4            | 4            | 0            | 0            | 0            |
| 2004 | 0                        | 0           | <sup>b</sup> | <sup>b</sup> | 0            | 0            | 0            |
| 2005 | 0                        | 4           | 6            | 10           | 0            | <sup>b</sup> | <sup>b</sup> |
| 2006 | 0                        | 6           | 0            | 6            | 0            | 0            | 0            |
| 2007 | 0                        | 0           | 0            | 0            | 0            | 0            | 0            |
| 2008 | 0                        | 0           | 0            | 0            | 0            | 0            | 0            |

<sup>a</sup> The Outer Port Heiden Section was closed to commercial salmon fishing from 1990-2006 and is still closed to Area T permit holders. Since 1989 Area T permit holders have been regulated out of the Ilnik Section except Ilnik Lagoon.

<sup>b</sup> Confidentiality requirements prohibit releasing this information.



## **APPENDIX B: COMMERCIAL HARVEST DATA**

Appendix B1.—Alaska Peninsula and Aleutian Islands commercial salmon harvest in numbers of fish by year, for the South Alaska Peninsula, North Alaska Peninsula, Aleutian Islands, and Atka-Amlia areas, 1906-2008.

| Year |                  | Chinook | Sockeye   | Coho   | Pink    | Chum    | Total <sup>a</sup> |
|------|------------------|---------|-----------|--------|---------|---------|--------------------|
| 1906 | South Peninsula  | 0       | 0         | 0      | 0       | 0       | 0                  |
|      | North Peninsula  | 1,500   | 135,000   | 0      | 0       | 0       | 136,500            |
|      | Aleutian Islands | 0       | 0         | 0      | 0       | 0       | 0                  |
|      | Total            | 1,500   | 135,000   | 0      | 0       | 0       | 136,500            |
| 1907 | South Peninsula  | 0       | 0         | 0      | 0       | 0       | 0                  |
|      | North Peninsula  | 1,700   | 66,500    | 3,200  | 1,500   | 0       | 72,900             |
|      | Aleutian Islands | 0       | 0         | 0      | 0       | 0       | 0                  |
|      | Total            | 1,700   | 66,500    | 3,200  | 1,500   | 0       | 72,900             |
| 1908 | South Peninsula  | 0       | 69,400    | 0      | 0       | 0       | 69,400             |
|      | North Peninsula  | 1,500   | 166,900   | 0      | 0       | 0       | 168,400            |
|      | Aleutian Islands | 0       | 0         | 0      | 0       | 0       | 0                  |
|      | Total            | 1,500   | 236,300   | 0      | 0       | 0       | 237,800            |
| 1909 | South Peninsula  | 0       | 108,400   | 7,200  | 0       | 0       | 115,600            |
|      | North Peninsula  | 1,500   | 143,000   | 0      | 0       | 1,000   | 145,500            |
|      | Aleutian Islands | 0       | 0         | 0      | 0       | 0       | 0                  |
|      | Total            | 1,500   | 251,400   | 7,200  | 0       | 1,000   | 261,100            |
| 1910 | South Peninsula  | 0       | 46,300    | 5,500  | 0       | 0       | 51,800             |
|      | North Peninsula  | 0       | 0         | 0      | 0       | 0       | 0                  |
|      | Aleutian Islands | 0       | 0         | 0      | 0       | 0       | 0                  |
|      | Total            | 0       | 46,300    | 5,500  | 0       | 0       | 51,800             |
| 1911 | South Peninsula  | 0       | 240,800   | 12,400 | 25,200  | 83,000  | 361,400            |
|      | North Peninsula  | 0       | 129,600   | 0      | 0       | 0       | 129,600            |
|      | Aleutian Islands | 0       | 9,300     | 0      | 0       | 0       | 9,300              |
|      | Total            | 0       | 379,700   | 12,400 | 25,200  | 83,000  | 500,300            |
| 1912 | South Peninsula  | 0       | 334,400   | 27,000 | 40,400  | 195,000 | 596,800            |
|      | North Peninsula  | 900     | 252,700   | 11,000 | 0       | 2,400   | 267,000            |
|      | Aleutian Islands | 0       | 0         | 0      | 0       | 0       | 0                  |
|      | Total            | 900     | 587,100   | 38,000 | 40,400  | 197,400 | 863,800            |
| 1913 | South Peninsula  | 1,800   | 299,700   | 0      | 0       | 7,000   | 308,500            |
|      | North Peninsula  | 600     | 888,800   | 18,700 | 0       | 2,000   | 910,100            |
|      | Aleutian Islands | 0       | 0         | 0      | 0       | 0       | 0                  |
|      | Total            | 2,400   | 1,188,500 | 18,700 | 0       | 9,000   | 1,218,600          |
| 1914 | South Peninsula  | 600     | 628,900   | 0      | 311,000 | 221,100 | 1,171,500          |
|      | North Peninsula  | 8,100   | 1,325,100 | 0      | 0       | 0       | 1,333,200          |
|      | Aleutian Islands | 0       | 0         | 0      | 0       | 0       | 0                  |
|      | Total            | 8,700   | 1,954,000 | 9,900  | 311,000 | 221,100 | 2,504,700          |
| 1915 | South Peninsula  | 4,800   | 367,900   | 16,200 | 120,100 | 333,100 | 842,100            |
|      | North Peninsula  | 14,000  | 1,974,300 | 0      | 0       | 54,800  | 2,043,100          |
|      | Aleutian Islands | 0       | 0         | 0      | 0       | 0       | 0                  |
|      | Total            | 18,800  | 2,342,200 | 16,200 | 120,100 | 387,900 | 2,885,200          |

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| Year |                  | Chinook | Sockeye   | Coho    | Pink      | Chum      | Total <sup>a</sup> |
|------|------------------|---------|-----------|---------|-----------|-----------|--------------------|
| 1916 | South Peninsula  | 6,800   | 730,900   | 34,100  | 576,100   | 508,900   | 1,856,800          |
|      | North Peninsula  | 44,200  | 1,974,700 | 0       | 2,600     | 191,400   | 2,212,900          |
|      | Aleutian Islands | 0       | 76,500    | 1,200   | 180,300   | 100       | 258,100            |
|      | Total            | 51,000  | 2,782,100 | 35,300  | 759,000   | 700,400   | 4,327,800          |
| 1917 | South Peninsula  | 6,400   | 1,486,100 | 4,600   | 72,100    | 415,500   | 1,984,700          |
|      | North Peninsula  | 20,000  | 679,600   | 6,800   | 600       | 90,300    | 797,300            |
|      | Aleutian Islands | 0       | 70,400    | 3,800   | 600       | 23,100    | 97,900             |
|      | Total            | 26,400  | 2,236,100 | 15,200  | 73,300    | 528,900   | 2,879,900          |
| 1918 | South Peninsula  | 8,700   | 1,014,100 | 16,300  | 2,150,000 | 1,501,000 | 4,690,900          |
|      | North Peninsula  | 9,700   | 1,208,500 | 0       | 1,200     | 252,300   | 1,471,700          |
|      | Aleutian Islands | 0       | 55,200    | 4,400   | 75,600    | 135,200   | 270,400            |
|      | Total            | 18,400  | 2,277,800 | 20,700  | 2,227,600 | 1,888,500 | 6,433,000          |
| 1919 | South Peninsula  | 9,600   | 619,100   | 56,100  | 80,200    | 921,400   | 1,686,400          |
|      | North Peninsula  | 19,600  | 389,200   | 0       | 12,000    | 143,500   | 564,300            |
|      | Aleutian Islands | 0       | 3,900     | 800     | 4,000     | 0         | 8,700              |
|      | Total            | 29,200  | 1,012,200 | 56,900  | 96,200    | 1,064,900 | 2,259,400          |
| 1920 | South Peninsula  | 7,800   | 1,142,300 | 47,700  | 2,109,800 | 934,000   | 4,241,600          |
|      | North Peninsula  | 19,000  | 1,371,900 | 0       | 0         | 37,000    | 1,427,900          |
|      | Aleutian Islands | 0       | 10,100    | 2,800   | 0         | 0         | 12,900             |
|      | Total            | 26,800  | 2,524,300 | 50,500  | 2,109,800 | 971,000   | 5,682,400          |
| 1921 | South Peninsula  | 700     | 830,700   | 1,500   | 47,300    | 84,600    | 964,800            |
|      | North Peninsula  | 12,500  | 1,746,500 | 0       | 0         | 32,800    | 1,791,800          |
|      | Aleutian Islands | 0       | 0         | 0       | 0         | 0         | 0                  |
|      | Total            | 13,200  | 2,577,200 | 1,500   | 47,300    | 117,400   | 2,756,600          |
| 1922 | South Peninsula  | 6,900   | 3,376,800 | 2,200   | 756,700   | 349,300   | 4,491,900          |
|      | North Peninsula  | 10,400  | 667,900   | 0       | 0         | 42,900    | 721,200            |
|      | Aleutian Islands | 0       | 14,000    | 0       | 0         | 0         | 14,000             |
|      | Total            | 17,300  | 4,058,700 | 2,200   | 756,700   | 392,200   | 5,227,100          |
| 1923 | South Peninsula  | 4,100   | 1,827,200 | 75,300  | 143,600   | 538,900   | 2,589,100          |
|      | North Peninsula  | 9,100   | 731,700   | 100     | 0         | 25,800    | 766,700            |
|      | Aleutian Islands | 0       | 0         | 0       | 0         | 0         | 0                  |
|      | Total            | 13,200  | 2,558,900 | 75,400  | 143,600   | 564,700   | 3,355,800          |
| 1924 | South Peninsula  | 3,900   | 1,352,000 | 127,300 | 3,931,300 | 1,330,700 | 6,745,200          |
|      | North Peninsula  | 10,500  | 701,700   | 0       | 0         | 48,400    | 760,600            |
|      | Aleutian Islands | 0       | 24,900    | 0       | 673,800   | 100       | 698,800            |
|      | Total            | 14,400  | 2,078,600 | 127,300 | 4,605,100 | 1,379,200 | 8,204,600          |
| 1925 | South Peninsula  | 10,700  | 820,500   | 127,100 | 382,100   | 1,116,800 | 2,457,200          |
|      | North Peninsula  | 10,600  | 400,200   | 0       | 0         | 53,900    | 464,700            |
|      | Aleutian Islands | 0       | 18,600    | 0       | 3,800     | 9,100     | 31,500             |
|      | Total            | 21,300  | 1,239,300 | 127,100 | 385,900   | 1,179,800 | 2,953,400          |
| 1926 | South Peninsula  | 9,500   | 3,071,500 | 193,800 | 3,719,700 | 1,179,800 | 8,174,300          |
|      | North Peninsula  | 23,900  | 672,900   | 0       | 0         | 71,500    | 768,300            |
|      | Aleutian Islands | 0       | 1,300     | 0       | 521,700   | 7,800     | 530,800            |
|      | Total            | 33,400  | 3,745,700 | 193,800 | 4,241,400 | 1,259,100 | 9,473,400          |

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| Year |                  | Chinook | Sockeye   | Coho    | Pink      | Chum      | Total <sup>a</sup> |
|------|------------------|---------|-----------|---------|-----------|-----------|--------------------|
| 1927 | South Peninsula  | 9,600   | 714,700   | 125,300 | 1,455,500 | 1,299,700 | 3,604,800          |
|      | North Peninsula  | 16,500  | 230,600   | 100     | 0         | 87,000    | 334,200            |
|      | Aleutian Islands | 0       | 17,300    | 0       | 334,600   | 0         | 351,900            |
|      | Total            | 26,100  | 962,600   | 125,400 | 1,790,100 | 1,386,700 | 4,290,900          |
| 1928 | S.Pen & Aleutian | 7,700   | 971,500   | 96,600  | 900,900   | 2,416,300 | 4,393,000          |
|      | North Peninsula  | 4,600   | 855,600   | 0       | 0         | 83,500    | 943,700            |
|      | Total            | 12,300  | 1,827,100 | 96,600  | 900,900   | 2,499,800 | 5,336,700          |
| 1929 | S.Pen & Aleutian | 10,500  | 935,800   | 84,500  | 1,793,500 | 2,429,000 | 5,253,300          |
|      | North Peninsula  | 4,100   | 878,000   | 0       | 0         | 145,200   | 1,027,300          |
|      | Total            | 14,600  | 1,813,800 | 84,500  | 1,793,500 | 2,574,200 | 6,280,600          |
| 1930 | S.Pen & Aleutian | 10,900  | 935,200   | 161,100 | 6,094,800 | 1,278,100 | 8,480,100          |
|      | North Peninsula  | 3,800   | 167,700   | 0       | 0         | 93,400    | 265,200            |
|      | Total            | 14,700  | 1,102,900 | 161,100 | 6,094,800 | 1,371,800 | 8,745,300          |
| 1931 | S.Pen & Aleutian | 11,000  | 1,863,200 | 128,700 | 997,900   | 1,216,000 | 4,211,800          |
|      | North Peninsula  | 1,300   | 761,000   | 0       | 0         | 54,900    | 817,200            |
|      | Total            | 12,300  | 2,624,200 | 128,700 | 997,900   | 1,265,900 | 5,029,000          |
| 1932 | S.Pen & Aleutian | 17,400  | 2,977,300 | 112,300 | 3,604,800 | 817,300   | 7,529,100          |
|      | North Peninsula  | 3,200   | 977,100   | 0       | 0         | 56,300    | 1,036,600          |
|      | Total            | 20,600  | 3,954,400 | 112,300 | 3,604,800 | 873,600   | 8,565,700          |
| 1933 | S.Pen & Aleutian | 12,600  | 1,996,700 | 190,000 | 3,109,200 | 1,173,900 | 6,482,400          |
|      | North Peninsula  | 1,100   | 350,100   | 0       | 0         | 16,000    | 367,200            |
|      | Total            | 13,700  | 2,346,800 | 190,000 | 3,109,200 | 1,189,900 | 6,849,600          |
| 1934 | S.Pen & Aleutian | 17,600  | 1,372,400 | 247,100 | 6,538,500 | 1,940,300 | 10,115,900         |
|      | North Peninsula  | 1,600   | 1,091,300 | 0       | 400       | 13,000    | 1,106,300          |
|      | Total            | 19,200  | 2,463,700 | 247,100 | 6,538,900 | 1,953,300 | 11,222,200         |
| 1935 | S.Pen & Aleutian | 13,900  | 978,400   | 117,200 | 5,386,200 | 2,003,100 | 8,498,800          |
|      | North Peninsula  | 1,000   | 479,200   | 0       | 100       | 33,800    | 514,100            |
|      | Total            | 14,900  | 1,457,600 | 117,200 | 5,386,300 | 2,036,900 | 9,012,900          |
| 1936 | S.Pen & Aleutian | 14,400  | 3,662,600 | 284,600 | 9,471,000 | 2,310,900 | 15,743,500         |
|      | North Peninsula  | 1,000   | 610,700   | 0       | 2,800     | 19,000    | 633,500            |
|      | Total            | 15,400  | 4,273,300 | 284,600 | 9,473,800 | 2,329,900 | 16,377,000         |
| 1937 | S.Pen & Aleutian | 9,300   | 1,558,000 | 73,900  | 9,302,000 | 1,506,700 | 12,449,900         |
|      | North Peninsula  | 1,600   | 860,900   | 0       | 100       | 65,600    | 928,200            |
|      | Total            | 10,900  | 2,418,900 | 73,900  | 9,302,100 | 1,572,300 | 13,378,100         |
| 1938 | S.Pen & Aleutian | 6,400   | 772,100   | 220,700 | 7,169,100 | 1,476,600 | 9,644,900          |
|      | North Peninsula  | 5,900   | 1,009,600 | 0       | 0         | 34,700    | 1,050,200          |
|      | Total            | 12,300  | 1,781,700 | 220,700 | 7,169,100 | 1,511,300 | 10,695,100         |
| 1939 | S.Pen & Aleutian | 16,500  | 1,881,700 | 98,900  | 6,005,300 | 1,440,600 | 9,443,000          |
|      | North Peninsula  | 3,900   | 746,200   | 0       | 0         | 82,200    | 832,300            |
|      | Total            | 20,400  | 2,527,900 | 98,900  | 6,005,300 | 1,522,800 | 10,275,300         |
| 1940 | S.Pen & Aleutian | 9,100   | 1,040,300 | 184,200 | 7,182,800 | 2,326,300 | 10,472,700         |
|      | North Peninsula  | 700     | 678,900   | 0       | 0         | 65,600    | 745,200            |
|      | Total            | 9,800   | 1,719,200 | 184,200 | 7,182,800 | 2,391,900 | 11,487,900         |

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| Year |                  | Chinook | Sockeye   | Coho    | Pink      | Chum      | Total <sup>a</sup> |
|------|------------------|---------|-----------|---------|-----------|-----------|--------------------|
| 1941 | S.Pen & Aleutian | 13,000  | 1,072,000 | 183,000 | 5,347,000 | 1,542,000 | 8,157,800          |
|      | North Peninsula  | 700     | 491,700   | 0       | 3,200     | 30,200    | 525,800            |
|      | Total            | 13,700  | 1,563,700 | 183,000 | 5,350,200 | 1,572,200 | 8,682,800          |
| 1942 | S.Pen & Aleutian | 4,800   | 810,100   | 123,000 | 6,762,600 | 1,321,100 | 9,021,600          |
|      | North Peninsula  | 0       | 0         | 0       | 0         | 0         | 0                  |
|      | Total            | 4,800   | 810,100   | 123,000 | 6,762,600 | 1,321,100 | 9,021,600          |
| 1943 | S.Pen & Aleutian | 21,700  | 2,397,700 | 90,600  | 4,360,200 | 924,500   | 7,794,700          |
|      | North Peninsula  | 200     | 567,400   | 0       | 1,300     | 50,400    | 619,300            |
|      | Total            | 21,900  | 2,965,100 | 90,600  | 4,361,500 | 974,900   | 8,414,000          |
| 1944 | S.Pen & Aleutian | 9,900   | 538,600   | 238,700 | 2,653,800 | 985,600   | 4,426,600          |
|      | North Peninsula  | 100     | 414,700   | 0       | 2,600     | 157,900   | 575,300            |
|      | Total            | 10,000  | 953,300   | 238,700 | 2,656,400 | 1,143,500 | 5,001,900          |
| 1945 | S.Pen & Aleutian | 21,400  | 813,400   | 116,100 | 3,639,600 | 948,900   | 5,539,400          |
|      | North Peninsula  | 100     | 394,400   | 0       | 2,500     | 335,100   | 732,100            |
|      | Total            | 21,500  | 1,207,800 | 116,100 | 3,642,100 | 1,284,000 | 6,271,500          |
| 1946 | S.Pen & Aleutian | 6,100   | 752,300   | 151,400 | 1,964,000 | 1,219,900 | 4,093,700          |
|      | North Peninsula  | 2,500   | 697,700   | 300     | 0         | 36,000    | 736,500            |
|      | Total            | 8,600   | 1,450,000 | 151,700 | 1,964,000 | 1,255,900 | 4,830,200          |
| 1947 | S.Pen & Aleutian | 3,400   | 1,137,100 | 55,800  | 2,319,600 | 1,219,200 | 4,735,100          |
|      | North Peninsula  | 100     | 357,700   | 100     | 100       | 75,000    | 433,000            |
|      | Total            | 3,500   | 1,491,800 | 55,900  | 2,319,700 | 1,294,200 | 5,168,100          |
| 1948 | S.Pen & Aleutian | 1,200   | 285,900   | 39,200  | 1,683,700 | 1,139,600 | 3,149,600          |
|      | North Peninsula  | 1,200   | 477,600   | 17,200  | 0         | 161,700   | 658,700            |
|      | Total            | 3,400   | 763,500   | 56,400  | 1,683,700 | 1,301,300 | 3,808,300          |
| 1949 | S.Pen & Aleutian | 3,800   | 637,500   | 19,500  | 1,544,000 | 560,900   | 2,765,700          |
|      | North Peninsula  | 700     | 137,100   | 25,700  | 0         | 40,700    | 204,200            |
|      | Total            | 4,500   | 774,600   | 45,200  | 1,544,000 | 601,600   | 2,969,900          |
| 1950 | S.Pen & Aleutian | 4,000   | 1,745,300 | 70,700  | 1,613,700 | 562,500   | 3,996,200          |
|      | North Peninsula  | 1,100   | 127,800   | 37,800  | 0         | 217,600   | 284,300            |
|      | Total            | 5,100   | 1,873,100 | 108,500 | 1,613,700 | 780,100   | 4,380,500          |
| 1951 | South Peninsula  | 1,500   | 264,200   | 55,700  | 2,844,800 | 683,100   | 3,849,300          |
|      | North Peninsula  | 1,200   | 358,900   | 32,900  | 20,400    | 203,000   | 616,400            |
|      | Aleutians        | 0       | 11,700    | 400     | 500       | 94,500    | 107,100            |
|      | Total            | 2700    | 634,800   | 89000   | 2865700   | 980,600   | 4,572,800          |
| 1952 | South Peninsula  | 9,200   | 894,500   | 39,200  | 908,500   | 1,040,800 | 2,892,200          |
|      | North Peninsula  | 700     | 354,800   | 54,200  | 1,400     | 246,900   | 658,000            |
|      | Aleutian Islands | 200     | 42,800    | 0       | 31,800    | 25,700    | 100,500            |
|      | Total            | 10,100  | 1,292,100 | 93,400  | 941,700   | 1,313,400 | 3,650,700          |
| 1953 | South Peninsula  | 7,200   | 1,039,200 | 47,900  | 2,743,900 | 1,464,600 | 5,302,800          |
|      | North Peninsula  | 800     | 537,300   | 26,200  | 18,300    | 224,400   | 807,000            |
|      | Aleutian Islands | 0       | 4,200     | 500     | 69,200    | 800       | 74,700             |
|      | Total            | 8,000   | 1,580,700 | 74,600  | 2,831,400 | 1,689,800 | 6,184,500          |

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| Year |                  | Chinook | Sockeye   | Coho    | Pink      | Chum      | Total <sup>a</sup> |
|------|------------------|---------|-----------|---------|-----------|-----------|--------------------|
| 1954 | South Peninsula  | 4,200   | 636,300   | 49,400  | 2,033,300 | 1,413,400 | 4,136,600          |
|      | North Peninsula  | 3,400   | 354,700   | 35,000  | 18,500    | 405,000   | 816,600            |
|      | Aleutian Islands | 0       | 6,300     | 800     | 566,500   | 200       | 573,800            |
|      | Total            | 7,600   | 997,300   | 85,200  | 2,618,300 | 1,818,600 | 5,527,000          |
| 1955 | South Peninsula  | 5,400   | 550,100   | 44,800  | 2,529,200 | 688,200   | 3,817,700          |
|      | North Peninsula  | 4,100   | 586,600   | 6,200   | 900       | 129,600   | 727,400            |
|      | Aleutian Islands | 0       | 12,600    | 100     | 31,100    | 400       | 44,200             |
|      | Total            | 9,500   | 1,149,300 | 51,100  | 2,561,200 | 818,200   | 4,589,300          |
| 1956 | South Peninsula  | 4,800   | 641,400   | 61,900  | 2,740,700 | 1,618,700 | 5,067,500          |
|      | North Peninsula  | 4,200   | 1,370,900 | 8,200   | 28,500    | 427,400   | 1,839,200          |
|      | Aleutian Islands | 0       | 400       | 0       | 33,900    | 0         | 34,300             |
|      | Total            | 9,000   | 2,012,700 | 70,100  | 2,803,100 | 2,046,100 | 6,941,000          |
| 1957 | South Peninsula  | 5,800   | 341,900   | 49,900  | 913,100   | 1,281,400 | 2,592,100          |
|      | North Peninsula  | 1,000   | 327,900   | 18,300  | 3,300     | 274,900   | 625,400            |
|      | Aleutian Islands | 2,300   | 27,300    | 100     | 500       | 13,900    | 44,100             |
|      | Total            | 9,100   | 697,100   | 68,300  | 916,900   | 1,570,200 | 3,261,600          |
| 1958 | South Peninsula  | 800     | 186,100   | 70,600  | 1,385,200 | 841,000   | 2,483,700          |
|      | North Peninsula  | 15,000  | 473,800   | 57,100  | 60,400    | 254,800   | 861,100            |
|      | Aleutian Islands | 0       | 300       | 0       | 613,200   | 3,700     | 617,200            |
|      | Total            | 15,800  | 660,200   | 127,700 | 2,058,800 | 1,099,500 | 3,962,000          |
| 1959 | South Peninsula  | 900     | 217,500   | 8,500   | 915,600   | 711,700   | 1,854,200          |
|      | North Peninsula  | 28,700  | 634,900   | 59,100  | 9,600     | 404,700   | 1,137,000          |
|      | Aleutian Islands | 0       | 6,100     | 0       | 12,000    | 100       | 18,200             |
|      | Total            | 29,600  | 858,500   | 67,600  | 937,200   | 1,116,500 | 3,009,400          |
| 1960 | South Peninsula  | 1,700   | 379,000   | 1,800   | 1,197,500 | 904,400   | 2,484,400          |
|      | North Peninsula  | 10,400  | 692,800   | 44,000  | 34,700    | 607,200   | 1,389,100          |
|      | Aleutian Islands | 0       | 7,600     | 0       | 444,900   | 300       | 452,800            |
|      | Total            | 12,100  | 1,079,400 | 45,800  | 1,677,100 | 1,511,900 | 4,326,300          |
| 1961 | South Peninsula  | 900     | 456,800   | 10,400  | 1,727,800 | 748,600   | 2,944,500          |
|      | North Peninsula  | 6,100   | 387,700   | 24,600  | 3,000     | 153,300   | 574,700            |
|      | Aleutian Islands | 0       | 2,700     | 0       | 94,000    | 200       | 96,900             |
|      | Total            | 7,000   | 847,200   | 35,000  | 1,824,800 | 902,100   | 3,616,100          |
| 1962 | South Peninsula  | 3,300   | 420,000   | 12,500  | 1,965,500 | 824,800   | 3,226,100          |
|      | North Peninsula  | 5,400   | 249,700   | 35,200  | 31,200    | 34,900    | 356,400            |
|      | Aleutian Islands | 0       | 5,500     | 100     | 2,001,700 | 1,200     | 2,008,500          |
|      | Total            | 8,700   | 675,200   | 47,800  | 3,998,400 | 860,900   | 5,591,000          |
| 1963 | South Peninsula  | 1,900   | 204,400   | 16,500  | 2,367,700 | 461,300   | 3,051,800          |
|      | North Peninsula  | 3,600   | 225,200   | 40,500  | 6,900     | 49,900    | 326,100            |
|      | Aleutian Islands | 0       | 4,500     | 0       | 93,900    | 300       | 98,700             |
|      | Total            | 5,500   | 434,100   | 57,000  | 2,468,500 | 511,500   | 3,476,600          |
| 1964 | South Peninsula  | 2,000   | 370,800   | 13,600  | 2,740,400 | 751,000   | 3,877,800          |
|      | North Peninsula  | 3,600   | 250,800   | 36,600  | 6,800     | 139,000   | 436,800            |
|      | Aleutian Islands | 0       | 200       | 0       | 194,100   | 2,300     | 196,600            |
|      | Total            | 5,600   | 621,800   | 50,200  | 2,941,300 | 892,300   | 4,511,200          |

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| Year |                  | Chinook | Sockeye   | Coho   | Pink      | Chum      | Total <sup>a</sup> |
|------|------------------|---------|-----------|--------|-----------|-----------|--------------------|
| 1965 | South Peninsula  | 2,100   | 915,700   | 34,200 | 2,884,100 | 556,400   | 4,392,500          |
|      | North Peninsula  | 6,100   | 199,500   | 34,500 | 2,100     | 69,700    | 311,900            |
|      | Aleutian Islands | 0       | 0         | 0      | 0         | 0         | 0                  |
|      | Total            | 8,200   | 1,115,200 | 68,700 | 2,886,200 | 626,100   | 4,704,400          |
| 1966 | South Peninsula  | 1,400   | 606,200   | 6,300  | 302,300   | 494,400   | 1,410,600          |
|      | North Peninsula  | 5,600   | 245,300   | 37,300 | 16,000    | 82,800    | 387,000            |
|      | Aleutian Islands | 0       | 1,000     | 0      | 63,500    | 700       | 65,200             |
|      | Total            | 7,000   | 852,500   | 43,600 | 381,800   | 577,900   | 1,862,800          |
| 1967 | South Peninsula  | 1,600   | 294,100   | 2,900  | 77,800    | 245,200   | 621,600            |
|      | North Peninsula  | 5,500   | 224,700   | 46,800 | 700       | 41,300    | 319,000            |
|      | Aleutians        | 0       | 200       | 0      | 7,900     | 0         | 8,100              |
|      | Total            | 7,100   | 519,000   | 49,700 | 86,400    | 286,500   | 948,700            |
| 1968 | South Peninsula  | 1,400   | 699,800   | 31,100 | 1,287,100 | 325,300   | 2,344,700          |
|      | North Peninsula  | 4,500   | 237,100   | 64,900 | 200       | 73,500    | 380,200            |
|      | Aleutian Islands | 0       | 2,000     | 100    | 902,800   | 800       | 905,700            |
|      | Total            | 5,900   | 938,900   | 96,100 | 2,190,100 | 399,600   | 3,630,600          |
| 1969 | South Peninsula  | 1,900   | 912,800   | 10,900 | 1,219,400 | 389,200   | 2,534,200          |
|      | North Peninsula  | 4,800   | 321,300   | 49,100 | 100       | 28,100    | 403,400            |
|      | Aleutian Islands | 0       | 1,900     | 0      | 242,200   | 1,500     | 245,600            |
|      | Total            | 6,700   | 1,236,000 | 60,000 | 1,461,700 | 418,800   | 3,183,200          |
| 1970 | South Peninsula  | 1,806   | 1,779,525 | 32,571 | 1,737,985 | 993,349   | 4,545,236          |
|      | North Peninsula  | 3,829   | 187,793   | 26,327 | 7,904     | 47,989    | 273,842            |
|      | Aleutian Islands | 6       | 208       | 135    | 644,121   | 3,029     | 647,499            |
|      | Total            | 5,644   | 1,967,526 | 59,033 | 2,390,010 | 1,044,367 | 5,466,580          |
| 1971 | South Peninsula  | 2,174   | 716,087   | 16,907 | 1,445,031 | 1,365,957 | 3,546,156          |
|      | North Peninsula  | 2,187   | 353,784   | 8,222  | 297       | 64,154    | 428,644            |
|      | Aleutian Islands | 0       | 333       | 2      | 45,114    | 58        | 45,507             |
|      | Total            | 4,361   | 1,070,204 | 25,131 | 1,490,442 | 1,430,169 | 4,020,307          |
| 1972 | South Peninsula  | 1,332   | 557,422   | 8,021  | 78,221    | 731,814   | 1,376,810          |
|      | North Peninsula  | 1,790   | 179,325   | 9,684  | 129       | 84,687    | 275,615            |
|      | Aleutian Islands | 0       | 69        | 1      | 2,784     | 6         | 2,860              |
|      | Total            | 3,122   | 736,816   | 17,706 | 81,134    | 816,507   | 1,655,285          |
| 1973 | South Peninsula  | 415     | 330,091   | 6,599  | 58,051    | 292,943   | 688,099            |
|      | North Peninsula  | 2,569   | 165,388   | 19,776 | 143       | 152,773   | 340,649            |
|      | Aleutian Islands | 0       | 0         | 0      | 2,042     | 0         | 2,042              |
|      | Total            | 3,042   | 495,481   | 26,375 | 60,236    | 445,716   | 1,030,850          |
| 1974 | South Peninsula  | 581     | 197,153   | 9,366  | 100,601   | 71,826    | 379,527            |
|      | North Peninsula  | 2,710   | 246,209   | 16,799 | 10,599    | 34,417    | 310,734            |
|      | Aleutian Islands | 0       | 0         | 0      | 0         | 0         | 0                  |
|      | Total            | 3,301   | 443,362   | 26,165 | 111,200   | 106,243   | 690,271            |
| 1975 | South Peninsula  | 117     | 243,548   | 67     | 60,642    | 130,750   | 435,124            |
|      | North Peninsula  | 2,093   | 233,293   | 28,349 | 295       | 8,770     | 272,800            |
|      | Aleutian Islands | 0       | 19,402    | 0      | 659       | 1,881     | 21,942             |
|      | Total            | 2,210   | 496,243   | 28,422 | 61,596    | 141,401   | 729,872            |

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| Year              |                  | Chinook | Sockeye   | Coho    | Pink       | Chum      | Total <sup>a</sup> |
|-------------------|------------------|---------|-----------|---------|------------|-----------|--------------------|
| 1976              | South Peninsula  | 2,196   | 375,027   | 216     | 2,366,833  | 532,503   | 3,276,775          |
|                   | North Peninsula  | 4,947   | 641,134   | 26,061  | 672        | 73,589    | 746,403            |
|                   | Aleutian Islands | 0       | 0         | 0       | 0          | 0         | 0                  |
|                   | Total            | 7,149   | 1,016,161 | 26,277  | 2,367,505  | 606,092   | 4,023,184          |
| 1977              | South Peninsula  | 559     | 311,722   | 2,108   | 1,448,648  | 243,167   | 2,006,204          |
|                   | North Peninsula  | 5,489   | 472,006   | 34,137  | 888        | 129,168   | 641,688            |
|                   | Aleutian Islands | 0       | 0         | 0       | 0          | 0         | 0                  |
|                   | Total            | 6,048   | 783,728   | 36,245  | 1,449,536  | 372,335   | 2,647,892          |
| 1978              | South Peninsula  | 773     | 579,411   | 60,774  | 5,590,145  | 546,182   | 6,777,285          |
|                   | North Peninsula  | 13,524  | 896,616   | 63,341  | 485,224    | 163,804   | 1,622,509          |
|                   | Aleutian Islands | 0       | 1,829     | 0       | 38,109     | 6         | 39,944             |
|                   | Total            | 15,031  | 1,477,856 | 124,115 | 6,113,478  | 709,992   | 8,440,472          |
| 1979              | South Peninsula  | 2,141   | 1,149,927 | 356,867 | 6,564,914  | 482,930   | 8,556,779          |
|                   | North Peninsula  | 15,704  | 1,979,167 | 112,835 | 4,994      | 65,711    | 2,178,411          |
|                   | Aleutian Islands | 0       | 12,206    | 0       | 539,393    | 242       | 551,841            |
|                   | Total            | 19,248  | 3,141,300 | 469,702 | 7,109,301  | 548,883   | 11,288,434         |
| 1980              | South Peninsula  | 4,794   | 3,613,025 | 274,181 | 7,861,470  | 1,353,112 | 13,106,582         |
|                   | North Peninsula  | 16,627  | 1,397,118 | 127,878 | 301,672    | 700,196   | 2,543,491          |
|                   | Aleutian Islands | 2       | 9,226     | 2       | 2,597,461  | 4,874     | 2,611,565          |
|                   | Total            | 21,601  | 5,019,370 | 402,061 | 10,760,603 | 2,058,183 | 18,261,818         |
| 1981              | South Peninsula  | 11,182  | 2,241,513 | 162,223 | 5,033,028  | 1,768,475 | 9,216,421          |
|                   | North Peninsula  | 18,385  | 1,844,335 | 155,420 | 11,217     | 706,818   | 2,736,175          |
|                   | Aleutian Islands | 16      | 5,430     | 188     | 302,786    | 6,553     | 314,973            |
|                   | Total            | 30,073  | 4,091,278 | 317,831 | 5,347,031  | 2,481,846 | 12,268,059         |
| 1982              | South Peninsula  | 9,845   | 2,345,981 | 256,046 | 6,734,905  | 2,272,495 | 11,619,272         |
|                   | North Peninsula  | 29,770  | 1,435,277 | 238,016 | 12,321     | 331,133   | 2,046,517          |
|                   | Aleutian Islands | 0       | 2,672     | 28      | 1,447,818  | 6,148     | 1,456,666          |
|                   | Total            | 39,958  | 3,783,933 | 494,090 | 8,195,044  | 2,609,776 | 15,122,801         |
| 1983              | South Peninsula  | 26,571  | 2,556,557 | 127,657 | 2,827,622  | 1,704,072 | 7,242,479          |
|                   | North Peninsula  | 29,006  | 2,090,142 | 75,138  | 3,404      | 348,307   | 2,545,997          |
|                   | Aleutian Islands | 0       | 4,405     | 0       | 2,005      | 11,361    | 17,771             |
|                   | Total            | 56,050  | 4,654,336 | 202,795 | 2,833,031  | 2,064,155 | 9,810,367          |
| 1984 <sup>b</sup> | South Peninsula  | 9,198   | 2,318,028 | 310,950 | 11,589,258 | 1,654,622 | 15,882,056         |
|                   | North Peninsula  | 22,747  | 1,734,851 | 198,582 | 27,419     | 796,723   | 2,780,322          |
|                   | Aleutian Islands | 26      | 67,163    | 1,923   | 2,309,665  | 32,025    | 2,410,802          |
|                   | Total            | 32,190  | 4,120,047 | 511,455 | 13,926,342 | 2,483,375 | 21,073,409         |
| 1985              | South Peninsula  | 6,642   | 2,144,416 | 172,514 | 4,431,016  | 1,348,726 | 8,103,314          |
|                   | North Peninsula  | 23,403  | 2,596,073 | 176,118 | 3,054      | 666,616   | 3,465,264          |
|                   | Aleutian Islands | 40      | 2,750     | 0       | 90         | 14,175    | 17,055             |
|                   | Total            | 30,210  | 4,743,247 | 348,632 | 4,434,160  | 2,029,532 | 11,585,781         |
| 1986              | South Peninsula  | 5,589   | 1,223,089 | 235,854 | 4,031,487  | 1,749,651 | 7,245,670          |
|                   | North Peninsula  | 11,735  | 2,463,734 | 164,071 | 22,630     | 271,216   | 2,933,386          |
|                   | Aleutian Islands | 11      | 7,702     | 60      | 42,621     | 38,819    | 89,213             |
|                   | Total            | 17,340  | 3,694,526 | 399,985 | 4,096,738  | 2,059,686 | 10,268,275         |

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| Year |                  | Chinook | Sockeye   | Coho    | Pink       | Chum      | Total <sup>a</sup> |
|------|------------------|---------|-----------|---------|------------|-----------|--------------------|
| 1987 | South Peninsula  | 9,174   | 1,449,753 | 225,120 | 1,208,556  | 1,375,887 | 4,268,490          |
|      | North Peninsula  | 14,186  | 1,209,435 | 171,784 | 3,486      | 368,696   | 1,767,587          |
|      | Aleutian Islands | 0       | 75        | 0       | 0          | 0         | 75                 |
|      | Total            | 23,360  | 2,659,263 | 396,904 | 1,212,042  | 1,744,583 | 6,036,152          |
| 1988 | South Peninsula  | 11,075  | 1,473,651 | 505,533 | 7,044,824  | 1,908,507 | 10,943,590         |
|      | North Peninsula  | 16,721  | 1,528,107 | 233,966 | 65,242     | 393,075   | 2,237,111          |
|      | Aleutian Islands | 0       | 4,315     | 7       | 183,109    | 450       | 187,881            |
|      | Total            | 27,880  | 3,006,082 | 739,506 | 7,293,175  | 2,302,034 | 13,368,677         |
| 1989 | South Peninsula  | 7,009   | 2,659,101 | 441,397 | 7,289,130  | 993,492   | 11,390,129         |
|      | North Peninsula  | 10,698  | 1,718,001 | 227,551 | 4,103      | 156,992   | 2,117,345          |
|      | Aleutian Islands | 0       | 8,248     | 0       | 6,700      | 0         | 14,948             |
|      | Total            | 18,013  | 4,387,764 | 671,394 | 7,303,461  | 1,151,408 | 13,532,040         |
| 1990 | South Peninsula  | 16,497  | 2,385,560 | 305,510 | 2,861,283  | 1,234,679 | 6,803,529          |
|      | North Peninsula  | 12,320  | 2,416,047 | 192,978 | 517,724    | 126,113   | 3,265,182          |
|      | Aleutian Islands | 2       | 12,435    | 74      | 282,823    | 1,038     | 296,372            |
|      | Total            | 28,844  | 4,815,326 | 500,270 | 3,666,403  | 1,364,977 | 10,375,820         |
| 1991 | South Peninsula  | 7,510   | 2,304,531 | 313,223 | 10,596,596 | 1,573,773 | 14,795,633         |
|      | North Peninsula  | 9,359   | 2,931,406 | 218,274 | 4,249      | 191,278   | 2,814,566          |
|      | Aleutian Islands | 0       | 796       | 0       | 0          | 0         | 796                |
|      | Total            | 17,347  | 4,712,149 | 535,403 | 10,621,005 | 1,780,078 | 17,665,982         |
| 1992 | South Peninsula  | 7,933   | 3,438,875 | 414,948 | 9,759,657  | 1,310,337 | 14,931,750         |
|      | North Peninsula  | 13,136  | 3,575,507 | 206,813 | 194,395    | 341,616   | 4,331,467          |
|      | Aleutian Islands | 0       | 3,082     | 0       | 312,072    | 1,230     | 316,384            |
|      | Atka-Amlia       | 0       | 231       | 42      | 7,972      | 308       | 8,553              |
|      | Total            | 21,069  | 7,017,695 | 621,803 | 10,274,096 | 1,653,491 | 19,588,154         |
| 1993 | South Peninsula  | 14,083  | 3,682,604 | 215,256 | 9,925,123  | 1,046,407 | 14,883,473         |
|      | North Peninsula  | 22,417  | 3,866,479 | 64,376  | 5,328      | 134,957   | 4,093,557          |
|      | Aleutian Islands | 0       | 0         | 0       | 0          | 0         | 0                  |
|      | Atka-Amlia       | 0       | 24        | 4       | 145        | 563       | 736                |
|      | Total            | 36,500  | 7,549,107 | 279,636 | 9,930,596  | 1,181,927 | 18,977,766         |
| 1994 | South Peninsula  | 9,474   | 2,091,009 | 251,686 | 9,143,703  | 2,178,910 | 13,674,782         |
|      | North Peninsula  | 18,508  | 1,783,156 | 241,913 | 226,315    | 83,897    | 3,353,789          |
|      | Aleutian Islands | 0       | 47        | 6       | 858,787    | 617       | 859,457            |
|      | Atka-Amlia       | 0       | 16        | 0       | 896        | 0         | 912                |
|      | Total            | 27,982  | 3,874,228 | 493,605 | 10,229,701 | 2,263,424 | 17,888,940         |
| 1995 | South Peninsula  | 17,078  | 2,996,353 | 260,686 | 16,302,593 | 1,715,067 | 21,291,777         |
|      | North Peninsula  | 7,540   | 3,272,748 | 135,639 | 12,171     | 99,293    | 3,527,391          |
|      | Aleutian Islands | 0       | 0         | 0       | 0          | 0         | 0                  |
|      | Atka-Amlia       | 0       | 0         | 0       | 0          | 0         | 0                  |
|      | Total            | 24,618  | 6,269,101 | 396,325 | 16,314,764 | 1,814,360 | 24,819,168         |
| 1996 | South Peninsula  | 5,071   | 1,528,587 | 278,191 | 2,187,239  | 775,057   | 4,774,145          |
|      | North Peninsula  | 4,941   | 1,911,126 | 157,313 | 53,842     | 67,956    | 2,195,178          |
|      | Aleutian Islands | 0       | 0         | 0       | 0          | 0         | 0                  |
|      | Atka-Amlia       | 0       | 0         | 0       | 20         | 0         | 20                 |
|      | Total            | 10,012  | 3,439,713 | 435,504 | 2,241,101  | 843,013   | 6,969,343          |

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| Year |                  | Chinook | Sockeye   | Coho    | Pink      | Chum      | Total <sup>a</sup> |
|------|------------------|---------|-----------|---------|-----------|-----------|--------------------|
| 1997 | South Peninsula  | 7,163   | 2,258,189 | 112,432 | 2,303,926 | 606,254   | 5,287,964          |
|      | North Peninsula  | 10,352  | 2,151,010 | 94,776  | 50,701    | 97,380    | 2,404,219          |
|      | Aleutian Islands | 0       | 0         | 0       | 0         | 0         | 0                  |
|      | Atka-Amlia       | 0       | 0         | 0       | 0         | 0         | 0                  |
|      | Total            | 17,515  | 4,409,199 | 207,208 | 2,354,627 | 703,634   | 7,692,183          |
| 1998 | South Peninsula  | 4,796   | 2,170,803 | 154,170 | 8,040,681 | 711,526   | 11,081,976         |
|      | North Peninsula  | 5,288   | 1,087,552 | 134,724 | 34,810    | 69,516    | 1,332,530          |
|      | Aleutian Islands | 0       | 0         | 0       | 0         | 0         | 0                  |
|      | Atka-Amlia       | 0       | 0         | 0       | 0         | 0         | 0                  |
|      | Total            | 10,084  | 3,258,355 | 288,894 | 8,075,491 | 781,042   | 12,414,506         |
| 1999 | South Peninsula  | 4,815   | 2,948,267 | 192,485 | 8,443,343 | 816,966   | 12,405,876         |
|      | North Peninsula  | 4,886   | 1,783,804 | 53,907  | 4,367     | 50,120    | 1,897,084          |
|      | Aleutian Islands | 0       | 0         | 0       | 0         | 0         | 0                  |
|      | Atka-Amlia       | 0       | 0         | 0       | 0         | 0         | 0                  |
|      | Total            | 9,701   | 4,732,071 | 246,392 | 8,447,710 | 867,086   | 14,302,960         |
| 2000 | South Peninsula  | 5,104   | 1,984,576 | 257,146 | 3,549,545 | 1,055,316 | 6,851,687          |
|      | North Peninsula  | 3,904   | 1,968,882 | 83,655  | 34,373    | 93,696    | 2,184,510          |
|      | Aleutian Islands | 1       | 0         | 59      | 256,050   | 0         | 256,110            |
|      | Atka-Amlia       | 0       | 0         | 0       | 0         | 0         | 0                  |
|      | Total            | 9,009   | 3,953,458 | 340,860 | 3,839,968 | 1,149,012 | 9,292,307          |
| 2001 | South Peninsula  | 2,302   | 607,756   | 210,899 | 4,012,057 | 921,986   | 5,755,000          |
|      | North Peninsula  | 4,412   | 1,147,030 | 22,162  | 12,469    | 174,523   | 1,360,596          |
|      | Aleutian Islands | 0       | 0         | 0       | 0         | 0         | 0                  |
|      | Atka-Amlia       | 0       | 0         | 0       | 0         | 0         | 0                  |
|      | Total            | 6,714   | 1,754,786 | 233,061 | 4,024,526 | 1,096,509 | 7,115,596          |
| 2002 | South Peninsula  | 6,399   | 1,035,232 | 202,717 | 2,170,376 | 819,030   | 4,233,754          |
|      | North Peninsula  | 3,852   | 1,415,872 | 28,751  | 21,461    | 51,040    | 1,520,976          |
|      | Aleutian Islands | 0       | 0         | 0       | 0         | 0         | 0                  |
|      | Atka-Amlia       | 0       | 0         | 0       | 0         | 0         | 0                  |
|      | Total            | 10,251  | 2,451,104 | 231,468 | 2,191,837 | 870,070   | 5,754,730          |
| 2003 | South Peninsula  | 2,712   | 1,054,208 | 131,097 | 4,258,274 | 637,305   | 6,083,596          |
|      | North Peninsula  | 4,545   | 1,477,391 | 53,137  | 18,624    | 38,755    | 1,592,452          |
|      | Aleutian Islands | 0       | 0         | 0       | 0         | 0         | 0                  |
|      | Atka-Amlia       | 0       | 0         | 0       | 0         | 0         | 0                  |
|      | Total            | 7,257   | 2,531,599 | 184,234 | 4,276,898 | 676,060   | 7,676,048          |
| 2004 | South Peninsula  | 7,050   | 2,199,944 | 235,600 | 6,665,831 | 790,109   | 9,898,534          |
|      | North Peninsula  | 10,402  | 2,433,778 | 33,920  | 15,828    | 14,958    | 2,508,886          |
|      | Aleutian Islands | 0       | 0         | 0       | 0         | 0         | 0                  |
|      | Atka-Amlia       | 0       | 0         | 0       | 0         | 0         | 0                  |
|      | Total            | 17,452  | 4,633,722 | 269,520 | 6,681,659 | 805,067   | 12,407,420         |
| 2005 | South Peninsula  | 4,487   | 2,337,097 | 143,617 | 9,416,197 | 739,460   | 12,640,858         |
|      | North Peninsula  | 9,198   | 3,115,807 | 71,192  | 3,830     | 42,539    | 3,242,566          |
|      | Aleutian Islands | 0       | 0         | 0       | 0         | 0         | 0                  |
|      | Atka-Amlia       | 0       | 0         | 0       | 0         | 0         | 0                  |
|      | Total            | 13,685  | 5,452,904 | 214,809 | 9,420,027 | 781,999   | 15,883,424         |

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| Year                 |                  | Chinook | Sockeye   | Coho    | Pink       | Chum      | Total <sup>a</sup> |
|----------------------|------------------|---------|-----------|---------|------------|-----------|--------------------|
| 2006                 | South Peninsula  | 5,412   | 1,850,029 | 169,620 | 4,261,824  | 1,177,806 | 7,464,691          |
|                      | North Peninsula  | 7,633   | 2,375,158 | 93,955  | 64,207     | 131,718   | 2,672,671          |
|                      | Aleutian Islands | 0       | 2,329     | 0       | 991,687    | 1,534     | 995,550            |
|                      | Atka- Amlia      | 0       | 0         | 0       | 0          | 0         | 0                  |
|                      | Total            | 13,045  | 4,227,516 | 263,575 | 5,317,718  | 1,311,058 | 11,132,912         |
| 2007                 | South Peninsula  | 5,312   | 2,438,672 | 150,955 | 7,299,330  | 679,787   | 10,574,056         |
|                      | North Peninsula  | 7,609   | 3,408,818 | 69,010  | 137,882    | 181,009   | 3,804,328          |
|                      | Aleutian Islands | 0       | 0         | 0       | 1,017,164  | 0         | 1,017,164          |
|                      | Atka- Amlia      | 0       | 0         | 0       | 0          | 0         | 0                  |
|                      | Total            | 12,921  | 5,847,490 | 219,965 | 8,454,376  | 860,796   | 15,395,548         |
| 2008                 | South Peninsula  | 4,366   | 2,239,210 | 225,659 | 12,710,050 | 802,404   | 15,981,689         |
|                      | North Peninsula  | 1,799   | 2,003,906 | 125,237 | 21,136     | 177,364   | 2,329,442          |
|                      | Aleutian Islands | 1       | 29        | 48      | 784,828    | 261       | 785,167            |
|                      | Atka- Amlia      | 0       | 0         | 0       | 0          | 0         | 0                  |
|                      | Total            | 6,166   | 4,243,145 | 350,944 | 13,516,014 | 980,029   | 19,096,298         |
| 1998-2007<br>Average | South Peninsula  | 4,839   | 1,862,658 | 184,831 | 5,811,746  | 834,929   | 8,699,003          |
|                      | North Peninsula  | 6,173   | 2,021,409 | 64,441  | 34,785     | 84,787    | 2,211,660          |
|                      | Aleutian Islands | 529     | 233       | 6       | 226,490    | 153       | 226,882            |
|                      | Atka-Amlia       | 0       | 0         | 0       | 0          | 0         | 0                  |
|                      | Total            | 11,541  | 3,884,301 | 249,278 | 6,073,021  | 919,870   | 11,138,010         |

<sup>a</sup> Does not include fish retained for personal use or test fish catches.

<sup>b</sup> On June 18, 1984 fishermen harvested 23 chinook, 63,929 sockeye, 1,900 coho, 18,950 pink, and 8,409 chum salmon in Unimak Pass. Unimak Pass was defined as closed to commercial salmon fishing under the Alaska Peninsula portion of the finfish regulations but open to commercial salmon fishing under the Aleutian Islands portion of the finfish regulation book. After 1984, regulations were passed by the Alaska Board of Fisheries closing the Unimak Pass area to commercial salmon fishing until at least July 10.

Appendix B2.—Alaska Peninsula, Aleutian Islands, and Atka-Amlia Islands Management Areas commercial salmon harvest in numbers of fish by statistical area, section, and district, 2008.

| Statistical Area       | Section                                 | Number of Salmon <sup>a</sup> |               |               |                  |               | Total            |
|------------------------|---|-------------------------------|---------------|---------------|------------------|---------------|------------------|
|                        |   | Chinook                       | Sockeye       | Coho          | Pink             | Chum          |                  |
| <b>SOUTH PENINSULA</b> |   |                               |               |               |                  |               |                  |
| SOUTHEASTERN DISTRICT  |   |                               |               |               |                  |               |                  |
| 281-15                 | Kupreanof Point                         | 85                            | 5,892         | 2,558         | 177,733          | 5,290         | 191,558          |
| 281-25                 | Stepovak Bay                            | 136                           | 70,206        | 20,323        | 1,003,274        | 29,604        | 1,123,543        |
|                        | <b>East Stepovak Section Total</b>      | <b>221</b>                    | <b>76,098</b> | <b>22,881</b> | <b>1,181,007</b> | <b>34,894</b> | <b>1,315,101</b> |
| <b>281-30</b>          | <b>Stepovak Flats Section</b>           | <b>0</b>                      | <b>0</b>      | <b>0</b>      | <b>0</b>         | <b>0</b>      | <b>0</b>         |
| 281-40                 | Grub Gulch/Clark Bay                    | 13                            | 6,694         | 515           | 113,164          | 3,052         | 123,438          |
| 281-50                 | Orzinski Bay                            | 4                             | 9,280         | 114           | 31,928           | 975           | 42,301           |
| 281-55                 | American Bay                            | 16                            | 10,656        | 860           | 38,050           | 3,449         | 53,031           |
| 281-62                 | Chichagof Bay                           | 14                            | 8,177         | 726           | 107,256          | 3,530         | 119,703          |
| 281-65                 | Suzy Creek                              | 3                             | 8,020         | 92            | 38,601           | 1,624         | 48,340           |
| 281-67                 | Dorenoi Bay                             | 0                             | 15            | 4             | 3,054            | 23            | 3,096            |
|                        | <b>Northwest Stepovak Section Total</b> | <b>50</b>                     | <b>42,842</b> | <b>2,311</b>  | <b>332,053</b>   | <b>12,653</b> | <b>389,909</b>   |
| <b>281-70</b>          | <b>Southwest Stepovak Section</b>       | <b>86</b>                     | <b>25,057</b> | <b>14,502</b> | <b>505,285</b>   | <b>10,374</b> | <b>555,304</b>   |
| <b>281-80</b>          | <b>Balboa Bay Section</b>               | <b>33</b>                     | <b>21,518</b> | <b>8,123</b>  | <b>582,737</b>   | <b>13,901</b> | <b>626,312</b>   |
| <b>281-90</b>          | <b>Beaver Bay Section</b>               | <b>0</b>                      | <b>3,664</b>  | <b>114</b>    | <b>69,586</b>    | <b>441</b>    | <b>73,805</b>    |
| 282-10                 | Popof Strait/Squaw Harbor               | 40                            | 28,717        | 7,010         | 149,973          | 6,554         | 192,294          |
| 282-11                 | Unga Cape/East Popof                    | 2,095                         | 607,080       | 87,623        | 1,903,884        | 181,765       | 2,782,447        |
| 282-20                 | Archeredin Bay                          | 5                             | 15,273        | 2,996         | 76,065           | 4,363         | 98,702           |
| 282-25                 | West Unga Island                        | 37                            | 80,684        | 19,870        | 652,523          | 28,006        | 781,120          |
| 282-30                 | Outer Zachary Bay                       | 0                             | 6,108         | 0             | 178              | 465           | 6,751            |
| 282-32                 | Middle Zachary Bay                      | 11                            | 8,210         | 0             | 19,238           | 615           | 28,074           |

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| Statistical Area                    | Section  | Number of Salmon <sup>a</sup> |                  |                |                  |                | Total            |
|-------------------------------------|--|-------------------------------|------------------|----------------|------------------|----------------|------------------|
|                                     |  | Chinook                       | Sockeye          | Coho           | Pink             | Chum           |                  |
| 282-35                              | Inner Zachary Bay                              | 116                           | 15,952           | 239            | 72,097           | 4,788          | 93,192           |
| 282-40                              | East Head/West Head                            | 7                             | 1,461            | 441            | 26,514           | 505            | 28,928           |
| 282-42                              | Korovin Island                                 | 148                           | 74,692           | 6,336          | 90,482           | 18,058         | 189,716          |
| 282-45                              | Northeast Bight                                | 0                             | 121              | 20             | 355              | 48             | 544              |
| 282-50                              | Koniuji Island                                 | 0                             | 457              | 0              | 2,649            | 148            | 3,254            |
| 282-65                              | Southeast Nagai Island                         | 75                            | 22,191           | 3,405          | 96,677           | 12,311         | 134,659          |
| 282-70                              | Southwest Nagai Island                         | 21                            | 14,663           | 1,397          | 27,122           | 4,745          | 47,948           |
| 282-75                              | Cape Horn/Porpoise Rocks                       | 48                            | 8,842            | 324            | 35,108           | 2,684          | 47,006           |
| 282-80                              | East Nagai Strait                              | 0                             | 124              | 194            | 22,634           | 287            | 23,239           |
|                                     | <b>Shumagin Islands Section Total</b>          | <b>2,603</b>                  | <b>884,575</b>   | <b>129,855</b> | <b>3,175,499</b> | <b>265,342</b> | <b>4,457,874</b> |
| <b>SOUTHEASTERN DISTRICT TOTAL</b>  |  | <b>2,993</b>                  | <b>1,053,754</b> | <b>177,786</b> | <b>5,846,167</b> | <b>337,605</b> | <b>7,418,305</b> |
| <b>SOUTH CENTRAL DISTRICT</b>       |  |                               |                  |                |                  |                |                  |
| 283-15                              | Mino Creek - McGinty Point                     | 0                             | 165              | 4              | 104,496          | 837            | 105,502          |
| 283-17                              | Coal Bay - South Cape Tolstoi                  | 8                             | 29,026           | 1,090          | 794,833          | 6,423          | 831,380          |
|                                     | <b>Mino Cr. - Little Coal B. Section Total</b> | <b>8</b>                      | <b>29,191</b>    | <b>1,094</b>   | <b>899,329</b>   | <b>7,260</b>   | <b>936,882</b>   |
| 283-20                              | Southside Cape Tolstoi                         | 0                             | 0                | 0              | 0                | 0              | 0                |
| 283-21                              | Northside Cape Tolstoi                         | 0                             | 1,024            | 163            | 35,127           | 759            | 37,073           |
| 283-23                              | Eastside Pavlof Bay                            | 0                             | 823              | 178            | 534,850          | 9,459          | 545,310          |
|                                     | <b>East Pavlof Bay Section Total</b>           | <b>0</b>                      | <b>1,847</b>     | <b>341</b>     | <b>569,977</b>   | <b>10,218</b>  | <b>582,383</b>   |
| <b>283-24</b>                       | <b>Canoe Bay Section</b>                       | 11                            | 1,658            | 319            | 681,013          | 28,777         | 711,778          |
| 283-25                              | Northwest Pavlof Bay                           | 0                             | 0                | 0              | 0                | 0              | 0                |
| 283-26                              | Long Beach/Ukolnoi                             | 10                            | 11,248           | 566            | 165,368          | 24,853         | 202,045          |
|                                     | <b>West Pavlof Bay Section Total</b>           | <b>10</b>                     | <b>11,248</b>    | <b>566</b>     | <b>165,368</b>   | <b>24,853</b>  | <b>202,045</b>   |
| <b>SOUTH CENTRAL DISTRICT TOTAL</b> |  | <b>29</b>                     | <b>43,944</b>    | <b>2,320</b>   | <b>2,315,687</b> | <b>71,108</b>  | <b>2,433,088</b> |

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| Statistical Area                   | Section                          | Number of Salmon <sup>a</sup> |                |               |                  |                | Total            |
|------------------------------------|----------------------------------|-------------------------------|----------------|---------------|------------------|----------------|------------------|
|                                    |                                  | Chinook                       | Sockeye        | Coho          | Pink             | Chum           |                  |
| SOUTHWESTERN DISTRICT              |                                  |                               |                |               |                  |                |                  |
| 284-36                             | Volcano Bay                      | 0                             | 748            | 1,096         | 34,075           | 8,100          | 44,019           |
| 284-37                             | Northside Dolgoi Island          | 17                            | 41,285         | 1,442         | 52,444           | 13,750         | 108,938          |
| 284-38                             | South Dolgoi/Moss Cape           | 1                             | 361            | 0             | 1,301            | 487            | 2,150            |
| 284-39                             | Poperechnoi Island               | 0                             | 1,871          | 0             | 567              | 691            | 3,129            |
|                                    | <b>Volcano Bay Section Total</b> | <b>18</b>                     | <b>44,265</b>  | <b>2,538</b>  | <b>88,387</b>    | <b>23,028</b>  | <b>158,236</b>   |
| <b>284-42</b>                      | <b>Belkofski Bay Section</b>     | <b>0</b>                      | <b>2,928</b>   | <b>682</b>    | <b>383,625</b>   | <b>6,132</b>   | <b>393,367</b>   |
| 284-45                             | King Cove                        | 1                             | 2,675          | 494           | 581,978          | 3,930          | 589,078          |
| 284-47                             | South of Deer Island Section     | 0                             | 932            | 2             | 29,460           | 145            | 30,539           |
| 284-70                             | South of Cold Bay Section        | 0                             | 0              | 0             | 56,540           | 0              | 56,540           |
|                                    | <b>General Section Total</b>     | <b>1</b>                      | <b>3,607</b>   | <b>496</b>    | <b>667,978</b>   | <b>4,075</b>   | <b>676,157</b>   |
| <b>284-55</b>                      | <b>Deer Island Section</b>       | <b>0</b>                      | <b>5,046</b>   | <b>6,576</b>  | <b>1,471,986</b> | <b>4,192</b>   | <b>1,487,800</b> |
| 284-62                             | Outer Cold Bay                   | 0                             | 4,254          | 77            | 37,535           | 1,988          | 43,854           |
| 284-65                             | Lenard Harbor                    | 0                             | 0              | 0             | 534              | 2,437          | 2,971            |
| 284-67                             | Inner Cold Bay                   | 0                             | 363            | 15            | 16,620           | 6,538          | 23,536           |
|                                    | <b>Cold Bay Section Total</b>    | <b>0</b>                      | <b>4,617</b>   | <b>92</b>     | <b>54,689</b>    | <b>10,963</b>  | <b>70,361</b>    |
| <b>284-75</b>                      | <b>Thin Point Section</b>        | <b>1</b>                      | <b>18,942</b>  | <b>2,992</b>  | <b>251,441</b>   | <b>6,213</b>   | <b>279,589</b>   |
| <b>284-80</b>                      | <b>Morzhovoi Bay Section</b>     | <b>0</b>                      | <b>6</b>       | <b>10</b>     | <b>157,069</b>   | <b>17,377</b>  | <b>174,462</b>   |
| <b>284-90</b>                      | <b>Ikatan Bay Section</b>        | <b>256</b>                    | <b>193,420</b> | <b>17,668</b> | <b>647,446</b>   | <b>49,351</b>  | <b>908,141</b>   |
| <b>SOUTHWESTERN DISTRICT TOTAL</b> |                                  | <b>276</b>                    | <b>272,831</b> | <b>31,054</b> | <b>3,722,621</b> | <b>121,331</b> | <b>4,148,113</b> |

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| Statistical Area                   | Section                                 | Number of Salmon <sup>a</sup> |                  |                |                   |                | Total             |
|------------------------------------|---|-------------------------------|------------------|----------------|-------------------|----------------|-------------------|
|                                    |   | Chinook                       | Sockeye          | Coho           | Pink              | Chum           |                   |
| 285-10                             | <b>Sanak Island Section</b>             | <b>6</b>                      | <b>11,599</b>    | <b>8,220</b>   | <b>8,665</b>      | <b>10,621</b>  | <b>39,111</b>     |
| 285-20                             | Bird Island                             | 606                           | 350,184          | 3,282          | 251,928           | 101,701        | 707,701           |
| 285-30                             | Cape Lazaref                            | 197                           | 220,249          | 2,660          | 287,500           | 58,592         | 569,198           |
|                                    | <b>Otter Cove Section Total</b>         | <b>803</b>                    | <b>570,433</b>   | <b>5,942</b>   | <b>539,428</b>    | <b>160,293</b> | <b>1,276,899</b>  |
| <b>285-40</b>                      | <b>Cape Lutke Section</b>               | <b>259</b>                    | <b>286,649</b>   | <b>337</b>     | <b>277,482</b>    | <b>101,446</b> | <b>666,173</b>    |
| <b>UNIMAK DISTRICT TOTAL</b>       |   | <b>1,068</b>                  | <b>868,681</b>   | <b>14,499</b>  | <b>825,575</b>    | <b>272,360</b> | <b>1,982,183</b>  |
| <b>SOUTH PENINSULA TOTAL</b>       |   | <b>4,366</b>                  | <b>2,239,210</b> | <b>225,659</b> | <b>12,710,050</b> | <b>802,404</b> | <b>15,981,689</b> |
| <b>NORTH PENINSULA</b>             |   |                               |                  |                |                   |                |                   |
| <b>NORTHWESTERN DISTRICT</b>       |   |                               |                  |                |                   |                |                   |
| <b>311-20</b>                      | <b>Dublin Bay Section</b>               | <b>0</b>                      | <b>0</b>         | <b>0</b>       | <b>0</b>          | <b>0</b>       | <b>0</b>          |
| <b>311-32</b>                      | <b>Urilia Bay Section</b>               | <b>5</b>                      | <b>41,319</b>    | <b>0</b>       | <b>105</b>        | <b>1,525</b>   | <b>42,954</b>     |
| <b>311-52</b>                      | <b>Swanson Lagoon Section</b>           | <b>1</b>                      | <b>565</b>       | <b>0</b>       | <b>57</b>         | <b>3,574</b>   | <b>4,197</b>      |
| <b>311-60</b>                      | <b>Bechevin Bay Section</b>             | <b>0</b>                      | <b>726</b>       | <b>41</b>      | <b>13,584</b>     | <b>19,812</b>  | <b>34,163</b>     |
| 311-58                             | Cape Kreitzen to Cape Glazenap          | 0                             | 532              | 0              | 150               | 615            | 1,297             |
| 312-10                             | Cape Glazenap to Moffet Point           | 0                             | 0                | 0              | 0                 | 0              | 0                 |
| 312-20                             | Izembek Lagoon                          | 0                             | 2,034            | 0              | 0                 | 0              | 2,034             |
| 312-40                             | Moffet Bay                              | 0                             | 6,270            | 1              | 2,645             | 78,614         | 87,530            |
|                                    | <b>Izembek-Moffet Bay Section Total</b> | <b>0</b>                      | <b>8,836</b>     | <b>1</b>       | <b>2,795</b>      | <b>79,229</b>  | <b>90,861</b>     |
| <b>NORTHWESTERN DISTRICT TOTAL</b> |   | <b>6</b>                      | <b>51,446</b>    | <b>42</b>      | <b>16,541</b>     | <b>104,140</b> | <b>172,175</b>    |

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| Statistical Area               | Section                                   | Number of Salmon <sup>a</sup> |                  |                |               |                | Total            |
|--------------------------------|---|-------------------------------|------------------|----------------|---------------|----------------|------------------|
|                                |   | Chinook                       | Sockeye          | Coho           | Pink          | Chum           |                  |
| NORTHERN DISTRICT              |   |                               |                  |                |               |                |                  |
| <b>313-10</b>                  | <b>Black Hills Section</b>                | <b>30</b>                     | <b>20,332</b>    | <b>2,419</b>   | <b>1,744</b>  | <b>16,849</b>  | <b>41,374</b>    |
| <b>313-30</b>                  | <b>Nelson Lagoon Section</b>              | <b>881</b>                    | <b>183,330</b>   | <b>54,282</b>  | <b>214</b>    | <b>3,321</b>   | <b>242,028</b>   |
| <b>314-12</b>                  | <b>Port Moller Bight Section</b>          | <b>0</b>                      | <b>0</b>         | <b>0</b>       | <b>0</b>      | <b>0</b>       | <b>0</b>         |
| 314-20                         | Herendeen Bay                             | 0                             | 128              | 1              | 1,164         | 40,722         | 42,015           |
| 314-30                         | Moller Bay                                | 0                             | 0                | 0              | 0             | 0              | 0                |
|                                | <b>Herendeen-Moller Bay Section Total</b> | <b>0</b>                      | <b>128</b>       | <b>1</b>       | <b>1,164</b>  | <b>40,722</b>  | <b>42,015</b>    |
| 315-11                         | Bear River                                | 11                            | 282,665          | 26,339         | 752           | 2,717          | 312,484          |
| 315-20                         | Muddy River                               | 2                             | 134,596          | 7,061          | 331           | 484            | 142,474          |
|                                | <b>Bear River Section Total</b>           | <b>13</b>                     | <b>417,261</b>   | <b>33,400</b>  | <b>1,083</b>  | <b>3,201</b>   | <b>454,958</b>   |
| <b>316-10</b>                  | <b>Three Hills Section</b>                | <b>1</b>                      | <b>123,344</b>   | <b>10,646</b>  | <b>212</b>    | <b>340</b>     | <b>134,543</b>   |
| 316-20                         | Outside Ilnik                             | 279                           | 348,585          | 11,416         | 57            | 4,590          | 364,927          |
| 316-22                         | Ilnik Lagoon                              | 0                             | 0                | 0              | 0             | 0              | 0                |
| 316-25                         | Strogonof Point                           | 421                           | 537,049          | 13,012         | 121           | 1,607          | 552,210          |
|                                | <b>Ilnik Section Total</b>                | <b>700</b>                    | <b>885,634</b>   | <b>24,428</b>  | <b>178</b>    | <b>6,197</b>   | <b>917,137</b>   |
| <b>317-10</b>                  | <b>Outer Port Heiden Section</b>          | <b>168</b>                    | <b>321,730</b>   | <b>19</b>      | <b>0</b>      | <b>2,594</b>   | <b>324,511</b>   |
| <b>317-20</b>                  | <b>Inner Port Heiden Section</b>          | <b>0</b>                      | <b>701</b>       | <b>0</b>       | <b>0</b>      | <b>0</b>       | <b>701</b>       |
| <b>318-20</b>                  | <b>Cinder River Section</b>               | <b>0</b>                      | <b>0</b>         | <b>0</b>       | <b>0</b>      | <b>0</b>       | <b>0</b>         |
| <b>NORTHERN DISTRICT TOTAL</b> |   | <b>1,793</b>                  | <b>1,952,460</b> | <b>125,195</b> | <b>4,595</b>  | <b>73,224</b>  | <b>2,157,267</b> |
| <b>NORTH PENINSULA TOTAL</b>   |   | <b>1,799</b>                  | <b>2,003,906</b> | <b>125,237</b> | <b>21,136</b> | <b>177,364</b> | <b>2,329,442</b> |

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| Statistical Area                          | Section                           | Number of Salmon <sup>a</sup> |                  |                |                   |                | Total             |
|---|-----------------------------------|-------------------------------|------------------|----------------|-------------------|----------------|-------------------|
|   |                                   | Chinook                       | Sockeye          | Coho           | Pink              | Chum           |                   |
| <b>UNALASKA DISTRICT-ALEUTIAN ISLANDS</b> |                                   |                               |                  |                |                   |                |                   |
| 302-31                                    | Unalaska Bay                      | 1                             | 0                | 9              | 111,821           | 5              | 111,836           |
| 302-35                                    | Outside Unalaska Bay              | 0                             | 0                | 0              | 0                 | 0              | 0                 |
| 302-45                                    | Makushin Bay                      | 0                             | 0                | 0              | 74,427            | 0              | 74,427            |
|   | <b>Unalaska Bay Section Total</b> | <b>1</b>                      | <b>0</b>         | <b>9</b>       | <b>186,248</b>    | <b>5</b>       | <b>186,263</b>    |
| <b>302-40</b>                             | <b>Makushin Bay Section</b>       | 0                             | 29               | 39             | 598,580           | 256            | 598,904           |
| <b>ALEUTIAN ISLANDS TOTAL</b>             |                                   | <b>1</b>                      | <b>29</b>        | <b>48</b>      | <b>784,828</b>    | <b>261</b>     | <b>785,167</b>    |
| <hr/>                                     |                                   |                               |                  |                |                   |                |                   |
| <b>ALASKA PENINSULA AND</b>               |                                   |                               |                  |                |                   |                |                   |
| <b>ALEUTIAN ISLANDS AREAS TOTAL</b>       |                                   | <b>6,166</b>                  | <b>4,243,145</b> | <b>350,944</b> | <b>13,516,014</b> | <b>980,029</b> | <b>19,096,298</b> |

<sup>a</sup> Numbers include fish harvested with commercial gear for personal use and ADF&G test fisheries.

Appendix B3.—Alaska Peninsula and Aleutian Islands areas commercial salmon harvest by gear and species, in numbers and percent, 2008.

|                    | Chinook        |                  | Sockeye          |                  | Coho           |                  | Pink              |                  | Chum           |                  | Total             |                  |
|--------------------|----------------|------------------|------------------|------------------|----------------|------------------|-------------------|------------------|----------------|------------------|-------------------|------------------|
|                    | Number of fish | Percent of Total | Number of fish   | Percent of Total | Number of fish | Percent of Total | Number of fish    | Percent of Total | Number of fish | Percent of Total | Number of fish    | Percent of Total |
| <b>Area M</b>      |                |                  |                  |                  |                |                  |                   |                  |                |                  |                   |                  |
| Seine              | 3,076          | 49.9             | 1,180,674        | 27.8             | 166,227        | 47.4             | 12,725,264        | 94.1             | 664,771        | 67.8             | 14,740,012        | 77.2             |
| Drift Gillnet      | 2,093          | 33.9             | 2,636,007        | 62.1             | 118,299        | 33.7             | 161,792           | 1.2              | 232,606        | 23.7             | 3,150,797         | 16.5             |
| Set Gillnet        | 997            | 16.2             | 426,464          | 10.1             | 66,418         | 18.9             | 628,958           | 4.7              | 82,652         | 8.4              | 1,205,489         | 6.3              |
| <b>Total</b>       | <b>6,166</b>   | <b>100.0</b>     | <b>4,243,145</b> | <b>100.0</b>     | <b>350,944</b> | <b>100.0</b>     | <b>13,516,014</b> | <b>100.0</b>     | <b>980,029</b> | <b>100.0</b>     | <b>19,096,298</b> | <b>100.0</b>     |
| <b>Area T</b>      |                |                  |                  |                  |                |                  |                   |                  |                |                  |                   |                  |
| Drift Gillnet      | 0              |                  | 0                |                  | 0              |                  | 0                 |                  | 0              |                  | 0                 |                  |
| Set Gillnet        | 0              |                  | 0                |                  | 0              |                  | 0                 |                  | 0              |                  | 0                 |                  |
| <b>Total</b>       | <b>0</b>       | <b>0.0</b>       | <b>0</b>         | <b>0.0</b>       | <b>0</b>       | <b>0.0</b>       | <b>0</b>          | <b>0.0</b>       | <b>0</b>       | <b>0.0</b>       | <b>0</b>          | <b>0.0</b>       |
| <b>Grand Total</b> |                |                  |                  |                  |                |                  |                   |                  |                |                  |                   |                  |
| Seine              | 3,076          | 49.9             | 1,180,674        | 27.8             | 166,227        | 47.4             | 12,725,264        | 94.1             | 664,771        | 67.8             | 14,740,012        | 77.2             |
| Drift Gillnet      | 2,093          | 33.9             | 2,636,007        | 62.1             | 118,299        | 33.7             | 161,792           | 1.2              | 232,606        | 23.7             | 3,150,797         | 16.5             |
| Set Gillnet        | 997            | 16.2             | 426,464          | 10.1             | 66,418         | 18.9             | 628,958           | 4.7              | 82,652         | 8.4              | 1,205,489         | 6.3              |
| <b>Total</b>       | <b>6,166</b>   | <b>100.0</b>     | <b>4,243,145</b> | <b>100.0</b>     | <b>350,944</b> | <b>100.0</b>     | <b>13,516,014</b> | <b>100.0</b>     | <b>980,029</b> | <b>100.0</b>     | <b>19,096,298</b> | <b>100.0</b>     |

Note: values do not include test fish catches.

Appendix B4.—Alaska Peninsula area salmon test fish catches, 1989-2008.

| Year |                        | Number of Salmon <sup>a</sup> |         |        |        |        | Total  |
|------|------------------------|-------------------------------|---------|--------|--------|--------|--------|
|      |                        | Chinook                       | Sockeye | Coho   | Pink   | Chum   |        |
| 1989 | Shumagin Islands       | 56                            | 1,699   | 2,446  | 3,528  | 739    | 8,468  |
|      | Total South Peninsula  | 56                            | 1,699   | 2,446  | 0      | 739    | 4,940  |
|      | North Peninsula        | 6                             | 638     | 0      | 0      | 97     | 741    |
|      | Alaska Peninsula Total | 62                            | 2,337   | 2,446  | 3,528  | 836    | 9,209  |
| 1990 | Shumagin Islands       | 25                            | 1,284   | 1,708  | 4,573  | 3,147  | 10,737 |
|      | Total South Peninsula  | 25                            | 1,284   | 1,708  | 4,573  | 3,147  | 10,737 |
|      | Alaska Peninsula Total | 25                            | 1,284   | 1,708  | 4,573  | 3,147  | 10,737 |
| 1991 | Shumagin Islands       | 465                           | 15,034  | 3,906  | 20,160 | 14,716 | 54,281 |
|      | South Unimak           | 0                             | 377     | 0      | 0      | 306    | 683    |
|      | Total South Peninsula  | 465                           | 15,411  | 3,906  | 20,160 | 15,022 | 54,964 |
|      | Alaska Peninsula Total | 465                           | 15,411  | 3,906  | 20,160 | 15,022 | 54,964 |
| 1992 | Shumagin Islands       | 93                            | 7,039   | 3,284  | 10,729 | 6,372  | 27,517 |
|      | Total South Peninsula  | 93                            | 7,039   | 3,284  | 10,729 | 6,372  | 27,517 |
|      | Alaska Peninsula Total | 93                            | 7,039   | 3,284  | 10,729 | 6,372  | 27,517 |
| 1993 | Shumagin Islands       | 330                           | 6,470   | 4,892  | 2,984  | 1,850  | 16,526 |
|      | Total South Peninsula  | 330                           | 6,470   | 4,892  | 2,984  | 1,850  | 16,526 |
|      | Alaska Peninsula Total | 330                           | 6,470   | 4,892  | 2,984  | 1,850  | 16,526 |
| 1994 | Shumagin Islands       | 528                           | 16,224  | 4,219  | 36,150 | 13,169 | 70,290 |
|      | Total South Peninsula  | 528                           | 16,224  | 4,219  | 36,150 | 13,169 | 70,290 |
|      | Alaska Peninsula Total | 528                           | 16,224  | 4,219  | 36,150 | 13,169 | 70,290 |
| 1995 | Shumagin Islands       | 290                           | 13,410  | 3,660  | 9,072  | 10,005 | 36,437 |
|      | South Unimak           | 101                           | 7,239   | 1      | 105    | 2,941  | 10,387 |
|      | Total South Peninsula  | 391                           | 20,649  | 3,661  | 9,177  | 12,946 | 46,824 |
|      | Alaska Peninsula Total | 391                           | 20,649  | 3,661  | 9,177  | 12,946 | 46,824 |
| 1996 | Shumagin Islands       | 375                           | 9,049   | 15,183 | 15,261 | 14,372 | 54,240 |
|      | South Unimak           | 80                            | 6,055   | 0      | 2,594  | 4,250  | 12,979 |
|      | Total South Peninsula  | 455                           | 15,104  | 15,183 | 17,855 | 18,622 | 67,219 |
|      | Alaska Peninsula Total | 455                           | 15,104  | 15,183 | 17,855 | 18,622 | 67,219 |
| 1997 | Shumagin Islands       | 429                           | 11,226  | 3,594  | 8,158  | 10,407 | 33,814 |
|      | South Unimak           | 188                           | 11,224  | 3      | 3,976  | 10,682 | 26,073 |
|      | Total South Peninsula  | 617                           | 22,450  | 3,597  | 12,134 | 21,089 | 59,887 |
|      | Alaska Peninsula Total | 617                           | 22,450  | 3,597  | 12,134 | 21,089 | 59,887 |
| 1998 | Shumagin Islands       | 28                            | 4,581   | 24     | 2,093  | 3,257  | 9,983  |
|      | South Unimak           | 95                            | 8,392   | 0      | 5,224  | 6,285  | 19,996 |
|      | Total South Peninsula  | 123                           | 12,973  | 24     | 7,317  | 9,542  | 29,979 |
|      | Alaska Peninsula Total | 123                           | 12,973  | 24     | 7,317  | 9,542  | 29,979 |
| 1999 | Shumagin Islands       | 119                           | 33,513  | 18     | 13,045 | 19,808 | 66,503 |
|      | South Unimak           | 140                           | 10,039  | 0      | 61     | 3,256  | 13,496 |
|      | Total South Peninsula  | 259                           | 43,552  | 18     | 13,106 | 23,064 | 79,999 |
|      | Alaska Peninsula Total | 259                           | 43,552  | 18     | 13,106 | 23,064 | 79,999 |

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Appendix B4.–Page 2 of 3.

| Year | Number of Salmon <sup>a</sup> |         |        |       |        |        |        |
|------|-------------------------------|---------|--------|-------|--------|--------|--------|
|      | Chinook                       | sockeye | Coho   | Pink  | Chum   | Total  |        |
| 2000 | Shumagin Islands              | 65      | 9,225  | 99    | 5,385  | 5,790  | 20,564 |
|      | South Unimak                  | 276     | 12,686 | 0     | 7,936  | 5,547  | 26,445 |
|      | Total South Peninsula         | 341     | 21,911 | 99    | 13,321 | 11,337 | 47,009 |
|      | North Peninsula               | 0       | 1,482  | 1     | 2      | 4      | 1,489  |
|      | Alaska Peninsula Total        | 341     | 23,393 | 100   | 13,323 | 11,341 | 48,498 |
| 2001 | Shumagin Islands              | 318     | 6,258  | 3,353 | 9,382  | 10,772 | 30,083 |
|      | South Unimak                  | 0       | 0      | 0     | 0      | 0      | 0      |
|      | Total South Peninsula         | 318     | 6,258  | 3,353 | 9,382  | 10,772 | 30,083 |
|      | North Peninsula               | 13      | 4,363  | 2     | 10     | 62     | 4,450  |
|      | Alaska Peninsula Total        | 331     | 10,621 | 3,355 | 9,392  | 10,834 | 34,533 |
| 2002 | Shumagin Islands              | 29      | 1,020  | 11    | 443    | 1,227  | 2,730  |
|      | South Unimak                  | 0       | 0      | 0     | 0      | 0      | 0      |
|      | Total South Peninsula         | 29      | 1,020  | 11    | 443    | 1,227  | 2,730  |
|      | North Peninsula               | 0       | 6,021  | 14    | 41     | 169    | 6,245  |
|      | Alaska Peninsula Total        | 29      | 7,041  | 25    | 484    | 1,396  | 8,975  |
| 2003 | Shumagin Islands              | 26      | 819    | 1,279 | 4,646  | 2,275  | 9,045  |
|      | South Unimak                  | 0       | 0      | 0     | 0      | 0      | 0      |
|      | Total South Peninsula         | 26      | 819    | 1,279 | 4,646  | 2,275  | 9,045  |
|      | North Peninsula               | 1       | 5,785  | 10    | 99     | 178    | 6,073  |
|      | Alaska Peninsula Total        | 27      | 6,604  | 1,289 | 4,745  | 2,453  | 15,118 |
| 2004 | Shumagin Islands              | 81      | 507    | 542   | 1,131  | 1,827  | 4,088  |
|      | South Unimak                  | 0       | 5,845  | 0     | 14,485 | 2,724  | 23,054 |
|      | Total South Peninsula         | 81      | 6,352  | 542   | 15,616 | 4,551  | 27,142 |
|      | North Peninsula               | 0       | 3,874  | 35    | 108    | 87     | 4,104  |
|      | Alaska Peninsula Total        | 81      | 10,226 | 577   | 15,724 | 4,638  | 31,246 |
| 2005 | Shumagin Islands              | 67      | 1,197  | 2,137 | 7,117  | 2,140  | 12,658 |
|      | Total South Peninsula         | 67      | 1,197  | 2,137 | 7,117  | 2,140  | 12,658 |
|      | North Peninsula               | 0       | 2,291  | 2     | 11     | 36     | 2,340  |
|      | Alaska Peninsula Total        | 67      | 3,488  | 2,139 | 7,128  | 2,176  | 14,998 |
| 2006 | Shumagin Islands              | 21      | 1,211  | 440   | 2,254  | 7,855  | 11,781 |
|      | Total South Peninsula         | 21      | 1,211  | 440   | 2,254  | 7,855  | 11,781 |
|      | North Peninsula               | 20      | 2,232  | 2     | 0      | 89     | 2,343  |
|      | Alaska Peninsula Total        | 41      | 3,443  | 442   | 2,254  | 7,944  | 14,124 |
| 2007 | Shumagin Islands              | 12      | 11,389 | 781   | 7,036  | 1,300  | 20,518 |
|      | Total South Peninsula         | 12      | 11,389 | 781   | 7,036  | 1,300  | 20,518 |
|      | North Peninsula               | 0       | 1,664  | 5     | 0      | 13     | 1,682  |
|      | Alaska Peninsula Total        | 12      | 13,053 | 786   | 7,036  | 1,313  | 22,200 |

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| Year | Number of Salmon <sup>a</sup> |         |        |       |        | Total  |        |
|------|-------------------------------|---------|--------|-------|--------|--------|--------|
|      | Chinook                       | Sockeye | Coho   | Pink  | Chum   |        |        |
| 2008 | Shumagin Islands              | 12      | 9,934  | 1,891 | 13,933 | 11,719 | 37,489 |
|      | Total South Peninsula         | 12      | 9,934  | 1,891 | 13,933 | 11,719 | 37,489 |
|      | North Peninsula               | 0       | 2,249  | 54    | 1      | 105    | 2,409  |
|      | Alaska Peninsula Total        | 12      | 12,183 | 1,945 | 13,934 | 11,824 | 39,898 |

<sup>a</sup> Number of adult salmon.



## **APPENDIX C: SUBSISTENCE HARVEST DATA**

Appendix C1.—Estimated subsistence salmon harvest by community and species, in number of fish, Alaska Peninsula Management Area and Unalaska Island, 1985-2008.

| Year                              | Permits<br>Issued | Estimated Harvest |         |       |       |       | Total  |
|-----------------------------------|-------------------|-------------------|---------|-------|-------|-------|--------|
|                                   |                   | Chinook           | Sockeye | Coho  | Pink  | Chum  |        |
| <b>Sand Point Local Residents</b> |                   |                   |         |       |       |       |        |
| 1985                              | 60                | 30                | 1,410   | 1,686 | 420   | 1,146 | 4,692  |
| 1986                              | 75                | 45                | 2,505   | 1,208 | 1,560 | 1,005 | 6,323  |
| 1987                              | 84                | 87                | 2,018   | 1,508 | 1,160 | 1,114 | 5,887  |
| 1988                              | 74                | 146               | 2,694   | 853   | 1,326 | 1,175 | 6,194  |
| 1989                              | 86                | 53                | 6,347   | 1,050 | 731   | 1,149 | 9,330  |
| 1990                              | 80                | 160               | 5,648   | 620   | 429   | 1,051 | 7,908  |
| 1991                              | 84                | 420               | 6,636   | 1,092 | 1,260 | 2,772 | 12,180 |
| 1992                              | 76                | 318               | 4,733   | 518   | 1,228 | 1,036 | 7,833  |
| 1993                              | 76                | 446               | 6,435   | 952   | 671   | 996   | 9,500  |
| 1994                              | 92                | 454               | 5,838   | 1,890 | 1,369 | 3,100 | 12,651 |
| 1995                              | 73                | 271               | 5,993   | 983   | 1,597 | 1,274 | 10,118 |
| 1996                              | 80                | 200               | 5,269   | 1,813 | 1,843 | 1,724 | 10,849 |
| 1997                              | 67                | 315               | 7,043   | 788   | 1,953 | 1,663 | 11,762 |
| 1998                              | 59                | 224               | 4,383   | 1,040 | 920   | 868   | 7,435  |
| 1999                              | 52                | 254               | 4,907   | 442   | 898   | 1,053 | 7,554  |
| 2000                              | 61                | 184               | 4,488   | 704   | 734   | 979   | 7,089  |
| 2001                              | 61                | 191               | 4,653   | 880   | 827   | 1,500 | 8,051  |
| 2002                              | 29                | 76                | 1,679   | 319   | 416   | 994   | 3,484  |
| 2003                              | 30                | 175               | 2,093   | 250   | 505   | 1,123 | 4,146  |
| 2004                              | 22                | 94                | 1,832   | 148   | 352   | 314   | 2,740  |
| 2005                              | 36                | 67                | 2,734   | 599   | 448   | 317   | 4,165  |
| 2006                              | 29                | 61                | 1,846   | 170   | 558   | 326   | 2,961  |
| 2007                              | 35                | 60                | 2,454   | 200   | 455   | 169   | 3,338  |
| 2008                              | 46                | 55                | 1,969   | 780   | 951   | 368   | 4,123  |
| 2003-2007 Average                 | 30                | 91                | 2,192   | 273   | 464   | 450   | 3,470  |

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| Year                             | Permits<br>Issued | Estimated Harvest |         |       |      |       | Total |
|----------------------------------|-------------------|-------------------|---------|-------|------|-------|-------|
|                                  |                   | Chinook           | Sockeye | Coho  | Pink | Chum  |       |
| <b>King Cove Local Residents</b> |                   |                   |         |       |      |       |       |
| 1985                             | 39                | 0                 | 784     | 3,292 | 105  | 20    | 4,201 |
| 1986                             | 24                | 2                 | 1,834   | 919   | 14   | 120   | 2,889 |
| 1987                             | 39                | 3                 | 2,320   | 1,662 | 206  | 334   | 4,525 |
| 1988                             | 28                | 3                 | 555     | 2,855 | 265  | 43    | 3,721 |
| 1989                             | 39                | 3                 | 1,982   | 1,973 | 294  | 690   | 4,942 |
| 1990                             | 43                | 24                | 1,054   | 2,832 | 265  | 367   | 4,542 |
| 1991                             | 60                | 0                 | 1,477   | 3,611 | 225  | 386   | 5,699 |
| 1992                             | 61                | 9                 | 1,452   | 2,891 | 327  | 1,177 | 5,856 |
| 1993                             | 59                | 33                | 2,021   | 3,868 | 259  | 625   | 6,806 |
| 1994                             | 48                | 43                | 2,249   | 3,247 | 370  | 679   | 6,588 |
| 1995                             | 66                | 46                | 3,300   | 3,080 | 534  | 1,177 | 8,137 |
| 1996                             | 65                | 47                | 4,236   | 4,354 | 578  | 690   | 9,905 |
| 1997                             | 58                | 29                | 3,048   | 3,226 | 283  | 691   | 7,277 |
| 1998                             | 54                | 4                 | 1,795   | 3,995 | 620  | 44    | 6,458 |
| 1999                             | 50                | 18                | 3,465   | 2,471 | 265  | 720   | 6,939 |
| 2000                             | 51                | 13                | 2,344   | 3,545 | 193  | 365   | 6,460 |
| 2001                             | 52                | 25                | 3,982   | 2,650 | 130  | 273   | 7,060 |
| 2002                             | 61                | 32                | 4,509   | 2,529 | 77   | 396   | 7,543 |
| 2003                             | 68                | 22                | 5,220   | 3,179 | 149  | 649   | 9,219 |
| 2004                             | 61                | 19                | 4,697   | 2,877 | 186  | 410   | 8,189 |
| 2005                             | 62                | 44                | 5,388   | 2,511 | 133  | 161   | 8,237 |
| 2006                             | 53                | 16                | 4,034   | 2,183 | 405  | 516   | 7,154 |
| 2007                             | 52                | 1                 | 3,088   | 2,203 | 162  | 264   | 5,718 |
| 2008                             | 57                | 9                 | 3,332   | 2,931 | 326  | 369   | 6,967 |
| 2003-2007 Average                | 59                | 20                | 4,485   | 2,591 | 207  | 400   | 7,703 |

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| Year                            | Permits<br>Issued | Estimated Harvest |         |      |      |      | Total |
|---------------------------------|-------------------|-------------------|---------|------|------|------|-------|
|                                 |                   | Chinook           | Sockeye | Coho | Pink | Chum |       |
| <b>Cold Bay Local Residents</b> |                   |                   |         |      |      |      |       |
| 1985                            | 10                | 0                 | 293     | 84   | 34   | 3    | 414   |
| 1986                            | 18                | 0                 | 184     | 264  | 14   | 26   | 488   |
| 1987                            | 10                | 0                 | 293     | 84   | 34   | 3    | 414   |
| 1988                            | 24                | 0                 | 737     | 66   | 2    | 0    | 805   |
| 1989                            | 18                | 0                 | 231     | 55   | 4    | 22   | 312   |
| 1991                            | 23                | 0                 | 517     | 30   | 6    | 4    | 557   |
| 1992                            | 15                | 0                 | 336     | 38   | 0    | 0    | 374   |
| 1993                            | 23                | 0                 | 473     | 89   | 3    | 15   | 580   |
| 1994                            | 16                | 0                 | 325     | 88   | 4    | 3    | 420   |
| 1995                            | 17                | 0                 | 307     | 84   | 0    | 10   | 401   |
| 1996                            | 15                | 15                | 280     | 0    | 0    | 6    | 301   |
| 1997                            | 12                | 12                | 657     | 0    | 4    | 3    | 676   |
| 1998                            | 17                | 8                 | 433     | 19   | 8    | 4    | 472   |
| 1999                            | 14                | 0                 | 237     | 1    | 0    | 13   | 251   |
| 2000                            | 16                | 0                 | 553     | 50   | 1    | 26   | 630   |
| 2001                            | 14                | 0                 | 512     | 30   | 0    | 0    | 542   |
| 2002                            | 20                | 0                 | 493     | 0    | 0    | 7    | 500   |
| 2003                            | 19                | 0                 | 594     | 0    | 2    | 18   | 614   |
| 2004                            | 23                | 5                 | 679     | 35   | 0    | 23   | 742   |
| 2005                            | 31                | 2                 | 532     | 212  | 2    | 6    | 754   |
| 2006                            | 31                | 0                 | 558     | 31   | 8    | 31   | 628   |
| 2007                            | 29                | 0                 | 661     | 167  | 0    | 3    | 831   |
| 2008                            | 27                | 0                 | 313     | 0    | 7    | 7    | 327   |
| 2003-2007 Average               | 27                | 1                 | 605     | 89   | 2    | 16   | 714   |

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| Year                              | Permits | Estimated Harvest |         |       |      |      |       |
|-----------------------------------|---------|-------------------|---------|-------|------|------|-------|
|                                   | Issued  | Chinook           | Sockeye | Coho  | Pink | Chum | Total |
| <b>False Pass Local Residents</b> |         |                   |         |       |      |      |       |
| 1985                              | 10      | 30                | 578     | 1,858 | 13   | 395  | 2,874 |
| 1986                              | 12      | 13                | 158     | 215   | 188  | 299  | 873   |
| 1987                              | 12      | 14                | 103     | 443   | 163  | 389  | 1,112 |
| 1988                              | 10      | 11                | 401     | 834   | 29   | 192  | 1,467 |
| 1989                              | 7       | 0                 | 231     | 55    | 4    | 22   | 312   |
| 1990                              | 9       | 1                 | 170     | 193   | 19   | 79   | 462   |
| 1991                              | 17      | 17                | 724     | 500   | 354  | 165  | 1,760 |
| 1992                              | 12      | 12                | 1,082   | 502   | 242  | 248  | 2,086 |
| 1993                              | 14      | 23                | 848     | 397   | 156  | 272  | 1,696 |
| 1994                              | 14      | 36                | 906     | 318   | 347  | 354  | 1,961 |
| 1995                              | 15      | 27                | 888     | 179   | 252  | 426  | 1,772 |
| 1996                              | 15      | 23                | 605     | 1,028 | 128  | 248  | 2,032 |
| 1997                              | 7       | 8                 | 584     | 315   | 153  | 214  | 1,274 |
| 1998                              | 7       | 14                | 586     | 58    | 208  | 245  | 1,111 |
| 1999                              | 7       | 26                | 564     | 902   | 81   | 148  | 1,721 |
| 2000                              | 6       | 0                 | 186     | 960   | 20   | 104  | 1,270 |
| 2001                              | 5       | 10                | 242     | 163   | 118  | 104  | 637   |
| 2002                              | 13      | 31                | 662     | 269   | 20   | 78   | 1,060 |
| 2003                              | 18      | 6                 | 1,472   | 589   | 216  | 261  | 2,544 |
| 2004                              | 8       | 6                 | 446     | 424   | 65   | 32   | 973   |
| 2005                              | 6       | 0                 | 795     | 375   | 0    | 0    | 1,170 |
| 2006                              | 5       | 3                 | 188     | 163   | 143  | 120  | 617   |
| 2007                              | 3       | 0                 | 0       | 180   | 0    | 0    | 180   |
| 2008                              | 2       | 12                | 16      | 10    | 28   | 0    | 66    |
| 2003-2007 Average                 | 8       | 3                 | 580     | 346   | 85   | 83   | 1,097 |

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| Year   | Permits  | Estimated Harvest |            |           |          |          | Total      |
|--|----------|-------------------|------------|-----------|----------|----------|------------|
|  | Issued   | Chinook           | Sockeye    | Coho      | Pink     | Chum     |            |
| <b>Nelson Lagoon and Port Moller Local Residents</b> |          |                   |            |           |          |          |            |
| 1985   | 9        | 5                 | 207        | 252       | 2        | 0        | 466        |
| 1986   | 9        | 13                | 284        | 302       | 3        | 5        | 607        |
| 1987   | 10       | 22                | 245        | 254       | 5        | 14       | 540        |
| 1988   | 13       | 26                | 284        | 184       | 0        | 25       | 519        |
| 1989   | 9        | 21                | 250        | 227       | 0        | 11       | 509        |
| 1990   | 8        | 11                | 291        | 224       | 0        | 0        | 526        |
| 1991   | 8        | 20                | 370        | 139       | 1        | 4        | 534        |
| 1992   | 9        | 17                | 298        | 191       | 7        | 12       | 525        |
| 1993   | 11       | 16                | 561        | 230       | 9        | 26       | 842        |
| 1994   | 11       | 71                | 336        | 241       | 6        | 0        | 654        |
| 1995   | 10       | 63                | 450        | 429       | 0        | 0        | 942        |
| 1996   | 8        | 45                | 465        | 329       | 0        | 11       | 850        |
| 1997   | 8        | 16                | 287        | 147       | 5        | 36       | 491        |
| 1998   | 13       | 3                 | 473        | 295       | 14       | 14       | 799        |
| 1999   | 10       | 4                 | 389        | 58        | 4        | 0        | 455        |
| 2000   | 7        | 10                | 507        | 85        | 0        | 0        | 602        |
| 2001   | 6        | 22                | 392        | 46        | 0        | 6        | 466        |
| 2002   | 3        | 5                 | 140        | 71        | 0        | 0        | 216        |
| 2003   | 3        | 3                 | 118        | 90        | 0        | 0        | 211        |
| 2004   | 4        | 7                 | 105        | 140       | 0        | 0        | 252        |
| 2005   | 7        | 2                 | 257        | 58        | 0        | 0        | 317        |
| 2006   | 7        | 8                 | 579        | 3         | 0        | 0        | 590        |
| 2007   | 6        | 0                 | 508        | 0         | 0        | 0        | 508        |
| 2008   | 3        | 0                 | 750        | 0         | 0        | 0        | 750        |
| <b>2003-2007 Average</b>                             | <b>5</b> | <b>4</b>          | <b>313</b> | <b>58</b> | <b>0</b> | <b>0</b> | <b>376</b> |

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| Year                               | Permits<br>Issued | Estimated Harvest |         |      |      |      | Total |
|------------------------------------|-------------------|-------------------|---------|------|------|------|-------|
|                                    |                   | Chinook           | Sockeye | Coho | Pink | Chum |       |
| <b>Port Heiden Local Residents</b> |                   |                   |         |      |      |      |       |
| 1985                               | 6                 | 9                 | 176     | 0    | 0    | 0    | 185   |
| 1986                               | 4                 | 28                | 282     | 0    | 0    | 0    | 310   |
| 1987                               | 10                | 66                | 193     | 229  | 0    | 36   | 524   |
| 1988                               | 10                | 69                | 268     | 134  | 23   | 105  | 599   |
| 1989                               | 4                 | 7                 | 222     | 28   | 1    | 4    | 262   |
| 1990                               | 3                 | 21                | 107     | 20   | 0    | 27   | 175   |
| 1991                               | 6                 | 39                | 375     | 25   | 3    | 120  | 562   |
| 1992                               | 3                 | 21                | 104     | 10   | 0    | 25   | 160   |
| 1993                               | 3                 | 80                | 71      | 0    | 0    | 0    | 151   |
| 1994                               | 2                 | 24                | 196     | 0    | 0    | 50   | 270   |
| 1995                               | 3                 | 50                | 119     | 160  | 0    | 0    | 329   |
| 1996                               | 4                 | 22                | 221     | 51   | 0    | 1    | 295   |
| 1997                               | 4                 | 2                 | 24      | 40   | 0    | 0    | 66    |
| 1998                               | 3                 | 26                | 100     | 100  | 0    | 0    | 226   |
| 1999                               | 3                 | 25                | 245     | 60   | 0    | 0    | 330   |
| 2000                               | 3                 | 6                 | 0       | 21   | 0    | 0    | 27    |
| 2001                               | 3                 | 64                | 132     | 50   | 0    | 10   | 256   |
| 2002                               | 3                 | 120               | 34      | 50   | 0    | 6    | 210   |
| 2003                               | 3                 | 101               | 7       | 40   | 0    | 6    | 154   |
| 2004                               | 3                 | 60                | 80      | 0    | 0    | 0    | 140   |
| 2005                               | 3                 | 0                 | 375     | 0    | 0    | 0    | 375   |
| 2006                               | 2                 | 0                 | 0       | 30   | 0    | 0    | 30    |
| 2007                               | 0                 | 0                 | 0       | 0    | 0    | 0    | 0     |
| 2008                               | 28                | 182               | 1,023   | 813  | 33   | 62   | 2,113 |
| 2003-2007 Average                  | 2                 | 32                | 92      | 14   | 0    | 1    | 140   |

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| Year  | Permits | Estimated Harvest |         |       |       |       | Total  |
|---|---------|-------------------|---------|-------|-------|-------|--------|
|   | Issued  | Chinook           | Sockeye | Coho  | Pink  | Chum  |        |
| <b>Alaska Peninsula Local Community Residents Total</b> |         |                   |         |       |       |       |        |
| 1985  | 134     | 74                | 3,448   | 7,172 | 574   | 1,564 | 12,832 |
| 1986  | 142     | 101               | 5,247   | 2,908 | 1,779 | 1,455 | 11,490 |
| 1987  | 185     | 192               | 5,499   | 4,251 | 1,547 | 1,941 | 13,430 |
| 1988  | 159     | 255               | 4,939   | 4,926 | 1,645 | 1,540 | 13,305 |
| 1989  | 163     | 88                | 9,368   | 3,433 | 1,205 | 1,923 | 16,017 |
| 1990  | 166     | 217               | 7,592   | 3,959 | 714   | 1,546 | 14,028 |
| 1991  | 198     | 457               | 9,998   | 5,413 | 1,820 | 3,372 | 21,060 |
| 1992  | 176     | 377               | 8,005   | 4,150 | 1,804 | 2,498 | 16,834 |
| 1993  | 186     | 598               | 10,409  | 5,536 | 1,098 | 1,934 | 19,575 |
| 1994  | 183     | 628               | 9,850   | 5,784 | 2,096 | 4,186 | 22,544 |
| 1995  | 184     | 457               | 11,057  | 4,915 | 2,383 | 2,887 | 21,699 |
| 1996  | 187     | 352               | 11,076  | 7,575 | 2,549 | 2,680 | 24,232 |
| 1997  | 156     | 382               | 11,643  | 4,516 | 2,398 | 2,607 | 21,546 |
| 1998  | 153     | 279               | 7,770   | 5,507 | 1,770 | 1,175 | 16,501 |
| 1999  | 136     | 327               | 9,807   | 3,934 | 1,248 | 1,934 | 17,250 |
| 2000  | 144     | 213               | 8,078   | 5,365 | 948   | 1,474 | 16,078 |
| 2001  | 141     | 312               | 9,913   | 3,819 | 1,075 | 1,893 | 17,012 |
| 2002  | 129     | 264               | 7,517   | 3,238 | 513   | 1,481 | 13,013 |
| 2003  | 141     | 307               | 9,504   | 4,148 | 872   | 2,057 | 16,888 |
| 2004  | 121     | 191               | 7,839   | 3,624 | 603   | 779   | 13,036 |
| 2005  | 145     | 121               | 10,189  | 3,720 | 598   | 498   | 15,126 |
| 2006  | 127     | 88                | 7,205   | 2,580 | 1,114 | 993   | 11,980 |
| 2007  | 136     | 56                | 6,226   | 3,330 | 1,113 | 635   | 11,360 |
| 2008  | 163     | 258               | 7,403   | 4,534 | 1,345 | 806   | 14,346 |
| 2003-2007 Average                                       | 134     | 153               | 8,193   | 3,480 | 860   | 992   | 13,678 |

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| Year  | Permits | Estimated Harvest |         |      |      |      | Total |
|---|---------|-------------------|---------|------|------|------|-------|
|   | Issued  | Chinook           | Sockeye | Coho | Pink | Chum |       |
| <b>Alaska State Residents Not Local To The Alaska Peninsula</b> |         |                   |         |      |      |      |       |
| 1985  | 27      | 0                 | 589     | 332  | 0    | 2    | 923   |
| 1986  | 5       | 0                 | 149     | 88   | 0    | 0    | 237   |
| 1987  | 6       | 1                 | 278     | 8    | 0    | 2    | 289   |
| 1988  | 24      | 2                 | 562     | 720  | 21   | 152  | 1,457 |
| 1989  | 25      | 0                 | 1,036   | 72   | 8    | 181  | 1,297 |
| 1990  | 35      | 29                | 996     | 70   | 22   | 43   | 1,160 |
| 1991  | 51      | 1                 | 1,347   | 138  | 58   | 179  | 1,723 |
| 1992  | 53      | 8                 | 2,734   | 117  | 36   | 76   | 2,971 |
| 1993  | 76      | 17                | 2,069   | 217  | 91   | 63   | 2,457 |
| 1995  | 76      | 35                | 1,659   | 106  | 270  | 482  | 2,552 |
| 1996  | 47      | 10                | 1,100   | 168  | 20   | 48   | 1,346 |
| 1997  | 61      | 38                | 3,581   | 96   | 557  | 278  | 4,550 |
| 1998  | 80      | 128               | 5,150   | 313  | 516  | 151  | 6,258 |
| 1999  | 50      | 39                | 5,157   | 50   | 192  | 101  | 5,539 |
| 2000  | 34      | 19                | 1,846   | 69   | 36   | 84   | 2,054 |
| 2001  | 44      | 27                | 1,854   | 386  | 132  | 103  | 2,502 |
| 2002  | 27      | 62                | 2,036   | 70   | 42   | 112  | 2,322 |
| 2003  | 24      | 13                | 684     | 29   | 357  | 146  | 1,229 |
| 2004  | 25      | 14                | 1,064   | 56   | 29   | 41   | 1,204 |
| 2005  | 14      | 55                | 841     | 31   | 20   | 36   | 983   |
| 2006  | 26      | 42                | 1,148   | 28   | 80   | 104  | 1,402 |
| 2007  | 25      | 33                | 546     | 0    | 81   | 85   | 745   |
| 2008  | 36      | 3                 | 622     | 76   | 208  | 51   | 960   |
| 2003-2007 Average   | 23      | 31                | 857     | 29   | 113  | 82   | 1,113 |

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| Year                               | Permits | Estimated Harvest |         |       |       |       | Total  |
|------------------------------------|---------|-------------------|---------|-------|-------|-------|--------|
|                                    | Issued  | Chinook           | Sockeye | Coho  | Pink  | Chum  |        |
| <b>TOTAL ALASKA PENINSULA AREA</b> |         |                   |         |       |       |       |        |
| 1985                               | 161     | 74                | 4,037   | 7,504 | 574   | 1,566 | 13,755 |
| 1986                               | 147     | 101               | 5,396   | 2,996 | 1,779 | 1,455 | 11,727 |
| 1987                               | 191     | 193               | 5,777   | 4,259 | 1,547 | 1,943 | 13,719 |
| 1988                               | 183     | 257               | 5,501   | 5,646 | 1,666 | 1,692 | 14,762 |
| 1989                               | 188     | 88                | 10,404  | 3,505 | 1,213 | 2,104 | 17,314 |
| 1990                               | 201     | 246               | 8,588   | 4,029 | 736   | 1,589 | 15,188 |
| 1991                               | 249     | 458               | 11,345  | 5,551 | 1,878 | 3,551 | 22,783 |
| 1992                               | 229     | 385               | 10,739  | 4,267 | 1,840 | 2,574 | 19,805 |
| 1993                               | 262     | 615               | 12,478  | 5,753 | 1,189 | 1,997 | 22,032 |
| 1994                               | 256     | 674               | 11,884  | 6,086 | 2,206 | 4,406 | 25,256 |
| 1995                               | 260     | 492               | 12,716  | 5,021 | 2,653 | 3,369 | 24,251 |
| 1996                               | 234     | 362               | 12,176  | 7,743 | 2,569 | 2,728 | 25,578 |
| 1997                               | 217     | 420               | 15,224  | 4,612 | 2,955 | 2,885 | 26,096 |
| 1998                               | 233     | 407               | 12,920  | 5,820 | 2,286 | 1,326 | 22,759 |
| 1999                               | 186     | 366               | 14,964  | 3,984 | 1,440 | 2,035 | 22,789 |
| 2000                               | 178     | 232               | 9,924   | 5,434 | 984   | 1,558 | 18,132 |
| 2001                               | 185     | 339               | 11,767  | 4,205 | 1,207 | 1,996 | 19,514 |
| 2002                               | 156     | 326               | 9,553   | 3,308 | 555   | 1,593 | 15,335 |
| 2003                               | 165     | 320               | 10,188  | 4,177 | 1,229 | 2,203 | 18,117 |
| 2004                               | 146     | 205               | 8,903   | 3,680 | 632   | 820   | 14,240 |
| 2005                               | 159     | 176               | 11,030  | 3,751 | 618   | 534   | 16,109 |
| 2006                               | 153     | 130               | 8,353   | 2,608 | 1,194 | 1,097 | 13,382 |
| 2007                               | 161     | 89                | 6,772   | 3,330 | 1,194 | 720   | 12,105 |
| 2008                               | 199     | 261               | 8,025   | 4,610 | 1,553 | 857   | 15,306 |
| 2003-2007 Average                  | 157     | 184               | 9,049   | 3,509 | 973   | 1,075 | 14,791 |

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| Year                                      | Permits | Estimated Harvest |         |       |       |      | Total |
|---|---------|-------------------|---------|-------|-------|------|-------|
|   | Issued  | Chinook           | Sockeye | Coho  | Pink  | Chum |       |
| <b>UNALASKA LOCAL COMMUNITY RESIDENTS</b> |         |                   |         |       |       |      |       |
| 1985                                      | 65      | 0                 | 897     | 208   | 1,293 | 20   | 2,418 |
| 1986                                      | 121     | 0                 | 3,449   | 847   | 2,468 | 375  | 7,139 |
| 1987                                      | 81      | 0                 | 1,097   | 378   | 1,780 | 151  | 3,406 |
| 1988                                      | 74      | 1                 | 962     | 390   | 2,626 | 83   | 4,062 |
| 1989                                      | 70      | 2                 | 1,064   | 470   | 1,292 | 36   | 2,864 |
| 1990                                      | 94      | 4                 | 2,357   | 681   | 1,428 | 100  | 4,570 |
| 1991                                      | 89      | 0                 | 1,294   | 666   | 1,075 | 45   | 3,080 |
| 1992                                      | 144     | 7                 | 2,739   | 587   | 1,723 | 11   | 5,067 |
| 1993                                      | 137     | 17                | 2,831   | 697   | 587   | 136  | 4,268 |
| 1994                                      | 150     | 1                 | 2,759   | 774   | 1,053 | 48   | 4,635 |
| 1995                                      | 159     | 23                | 4,446   | 480   | 784   | 23   | 5,756 |
| 1996                                      | 189     | 5                 | 1,107   | 1,033 | 492   | 49   | 2,686 |
| 1997                                      | 218     | 8                 | 4,192   | 864   | 440   | 110  | 5,614 |
| 1998                                      | 206     | 4                 | 3,317   | 731   | 729   | 26   | 4,807 |
| 1999                                      | 208     | 0                 | 2,707   | 1,327 | 1,018 | 13   | 5,065 |
| 2000                                      | 205     | 7                 | 3,073   | 569   | 315   | 24   | 3,988 |
| 2001                                      | 201     | 4                 | 3,850   | 563   | 763   | 100  | 5,280 |
| 2002                                      | 226     | 2                 | 5,267   | 643   | 277   | 63   | 6,252 |
| 2003                                      | 220     | 27                | 4,814   | 558   | 408   | 41   | 5,848 |
| 2004                                      | 207     | 4                 | 4,343   | 792   | 343   | 26   | 5,508 |
| 2005                                      | 207     | 6                 | 4,210   | 356   | 587   | 15   | 5,174 |
| 2006                                      | 193     | 10                | 1,722   | 363   | 745   | 92   | 2,932 |
| 2007                                      | 171     | 16                | 2,391   | 207   | 750   | 36   | 3,400 |
| 2008                                      | 195     | 2                 | 1,833   | 726   | 567   | 115  | 3,243 |
| 2003-2007 Average                         | 200     | 13                | 3,496   | 455   | 567   | 42   | 4,572 |

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| Year  | Permits<br>Issued | Estimated Harvest |         |      |      |      | Total |
|---|-------------------|-------------------|---------|------|------|------|-------|
|   |                   | Chinook           | Sockeye | Coho | Pink | Chum |       |
| <b>UNALASKA - RESIDENTS RESIDING OUTSIDE OF UNALASKA DISTRICT</b> |                   |                   |         |      |      |      |       |
| 1985  | 0                 | 0                 | 0       | 0    | 0    | 0    | 0     |
| 1986  | 0                 | 0                 | 0       | 0    | 0    | 0    | 0     |
| 1987  | 0                 | 0                 | 0       | 0    | 0    | 0    | 0     |
| 1988  | 3                 | 2                 | 4       | 0    | 1    | 0    | 7     |
| 1989  | 4                 | 0                 | 48      | 0    | 0    | 0    | 48    |
| 1990  | 2                 | 0                 | 0       | 0    | 0    | 0    | 0     |
| 1991  | 0                 | 0                 | 0       | 0    | 0    | 0    | 0     |
| 1992  | 0                 | 0                 | 0       | 0    | 0    | 0    | 0     |
| 1993  | 2                 | 0                 | 0       | 0    | 0    | 0    | 0     |
| 1994  | 0                 | 0                 | 0       | 0    | 0    | 0    | 0     |
| 1995  | 1                 | 0                 | 38      | 4    | 7    | 0    | 49    |
| 1996  | 0                 | 0                 | 0       | 0    | 0    | 0    | 0     |
| 1997  | 3                 | 0                 | 0       | 0    | 114  | 0    | 114   |
| 1998  | 0                 | 0                 | 0       | 0    | 0    | 0    | 0     |
| 1999  | 3                 | 0                 | 0       | 0    | 0    | 0    | 0     |
| 2000  | 7                 | 0                 | 4       | 1    | 10   | 0    | 15    |
| 2001  | 2                 | 0                 | 0       | 0    | 0    | 0    | 0     |
| 2002  | 5                 | 0                 | 0       | 0    | 0    | 0    | 0     |
| 2003  | 7                 | 0                 | 30      | 0    | 0    | 0    | 30    |
| 2004  | 2                 | 0                 | 30      | 0    | 0    | 0    | 30    |
| 2005  | 10                | 1                 | 23      | 0    | 0    | 0    | 24    |
| 2006  | 6                 | 0                 | 0       | 0    | 0    | 0    | 0     |
| 2007  | 7                 | 0                 | 0       | 0    | 0    | 0    | 0     |
| 2008  | 9                 | 0                 | 0       | 0    | 0    | 0    | 0     |
| 2003-2007 Average   | 6                 | 0                 | 17      | 0    | 0    | 0    | 17    |

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| Year                     | Permits<br>Issued | Estimated Harvest |              |            |            |           | Total        |
|--------------------------|-------------------|-------------------|--------------|------------|------------|-----------|--------------|
|                          |                   | Chinook           | Sockeye      | Coho       | Pink       | Chum      |              |
| <b>TOTAL UNALASKA</b>    |                   |                   |              |            |            |           |              |
| 1985                     | 65                | 0                 | 897          | 208        | 1,293      | 20        | 2,418        |
| 1986                     | 121               | 0                 | 3,449        | 847        | 2,468      | 375       | 7,139        |
| 1987                     | 81                | 0                 | 1,097        | 378        | 1,780      | 151       | 3,406        |
| 1988                     | 77                | 3                 | 966          | 390        | 2,627      | 83        | 4,069        |
| 1989                     | 74                | 2                 | 1,112        | 470        | 1,292      | 36        | 2,912        |
| 1990                     | 94                | 4                 | 2,357        | 681        | 1,428      | 100       | 4,570        |
| 1991                     | 89                | 0                 | 1,294        | 666        | 1,075      | 45        | 3,080        |
| 1992                     | 144               | 7                 | 2,739        | 587        | 1,723      | 11        | 5,067        |
| 1993                     | 139               | 17                | 2,831        | 697        | 587        | 136       | 4,268        |
| 1994                     | 150               | 1                 | 2,759        | 774        | 1,053      | 48        | 4,635        |
| 1995                     | 160               | 23                | 4,484        | 484        | 791        | 23        | 5,805        |
| 1996                     | 189               | 5                 | 1,107        | 1,033      | 492        | 49        | 2,686        |
| 1997                     | 221               | 8                 | 4,192        | 864        | 554        | 110       | 5,728        |
| 1998                     | 206               | 4                 | 3,317        | 731        | 729        | 26        | 4,807        |
| 1999                     | 211               | 0                 | 2,707        | 1,327      | 1,018      | 13        | 5,065        |
| 2000                     | 212               | 7                 | 3,077        | 570        | 325        | 24        | 4,003        |
| 2001                     | 203               | 4                 | 3,850        | 563        | 763        | 100       | 5,280        |
| 2002                     | 231               | 2                 | 5,267        | 643        | 277        | 63        | 6,252        |
| 2003                     | 227               | 27                | 4,844        | 558        | 408        | 41        | 5,878        |
| 2004                     | 209               | 4                 | 4,373        | 792        | 343        | 26        | 5,538        |
| 2005                     | 217               | 7                 | 4,233        | 356        | 587        | 15        | 5,198        |
| 2006                     | 199               | 10                | 1,722        | 363        | 745        | 92        | 2,932        |
| 2007                     | 178               | 16                | 2,391        | 207        | 750        | 36        | 3,400        |
| 2008                     | 204               | 2                 | 1,833        | 726        | 567        | 115       | 3,243        |
| <b>2003-2007 Average</b> | <b>206</b>        | <b>13</b>         | <b>3,513</b> | <b>455</b> | <b>567</b> | <b>42</b> | <b>4,589</b> |

*Note:* The total number of salmon harvested are extrapolated from returned permits.

Appendix C2.—Subsistence salmon harvest by community and species, in number of fish, 2008.

| Community                        | Permits Issued | Permits Returned | Percent Returned | Estimated Harvest |         |       |       |      |        |
|----------------------------------|----------------|------------------|------------------|-------------------|---------|-------|-------|------|--------|
|                                  |                |                  |                  | Chinook           | Sockeye | Coho  | Pink  | Chum | Total  |
| <b>Alaska Peninsula</b>          |                |                  |                  |                   |         |       |       |      |        |
| Local Residents                  |                |                  |                  |                   |         |       |       |      |        |
| Sand Point                       | 46             | 27               | 58.7%            | 55                | 1,969   | 780   | 951   | 368  | 4,123  |
| King Cove                        | 57             | 40               | 70.2%            | 9                 | 3,332   | 2,931 | 326   | 369  | 6,967  |
| Cold Bay                         | 27             | 19               | 70.4%            | 0                 | 313     | 0     | 7     | 7    | 327    |
| False Pass                       | 2              | 1                | 50.0%            | 12                | 16      | 10    | 28    | 0    | 66     |
| Nelson Lagoon & Port Moller      | 3              | 1                | 33.3%            | 0                 | 750     | 0     | 0     | 0    | 750    |
| Port Heiden                      | 28             | 28               | 100.0%           | 182               | 1,023   | 813   | 33    | 62   | 2,113  |
| Local Residents Total            | 163            | 116              | 71.2%            | 258               | 7,403   | 4,534 | 1,345 | 806  | 14,346 |
| Other State Area Residents Total | 36             | 26               | 72.2%            | 3                 | 622     | 76    | 208   | 51   | 960    |
| Alaska Peninsula Total           | 199            | 142              | 71.4%            | 261               | 8,025   | 4,610 | 1,553 | 857  | 15,306 |
| <b>Unalaska</b>                  |                |                  |                  |                   |         |       |       |      |        |
| Unalaska Local Residents total   | 195            | 117              | 60.0%            | 2                 | 1,833   | 726   | 567   | 115  | 3,243  |
| Other State Area Residents Total | 9              | 5                | 55.6%            | 0                 | 0       | 0     | 0     | 0    | 0      |
| Unalaska Total                   | 204            | 122              | 59.8%            | 2                 | 1,833   | 726   | 567   | 115  | 3,243  |
| <b>Adak</b>                      | 10             | 6                | 60.0%            | 0                 | 397     | 0     | 19    | 0    | 416    |

Note: The total number of salmon harvested are extrapolated from returned permits.

Appendix C3.—Adak-Kagalaska Islands estimated personal use salmon harvests, 1988-1997 and Adak District subsistence harvest, 1998-2008.

| Year                                       | Permits Issued | Permits Returned | Percent Returned | Estimated Total Harvest |         |      |      |      | Total |
|--|----------------|------------------|------------------|-------------------------|---------|------|------|------|-------|
|  |                |                  |                  | Chinook                 | Sockeye | Coho | Pink | Chum |       |
| <b>Adak-Kagalaska Islands Personal Use</b> |                |                  |                  |                         |         |      |      |      |       |
| 1988                                       | 43             | 29               | 67.4             | 0                       | 503     | 23   | 150  | 0    | 676   |
| 1989                                       | 64             | 47               | 73.3             | 0                       | 382     | 0    | 117  | 0    | 499   |
| 1990                                       | 61             | 29               | 47.5             | 0                       | 800     | 47   | 41   | 0    | 888   |
| 1991                                       | 37             | 31               | 86.5             | 0                       | 281     | 6    | 34   | 0    | 321   |
| 1992                                       | 52             | 41               | 78.8             | 0                       | 572     | 30   | 4    | 0    | 606   |
| 1993                                       | 36             | 26               | 72.2             | 0                       | 638     | 12   | 26   | 0    | 676   |
| 1994 <sup>a</sup>                          | 0              | 0                | 0.0              | 0                       | 0       | 0    | 0    | 0    | 0     |
| 1995                                       | 4              | 3                | 75.0             | 0                       | 156     | 0    | 0    | 0    | 156   |
| 1996                                       | 6              | 6                | 100.0            | 0                       | 91      | 0    | 0    | 0    | 91    |
| 1997 <sup>b</sup>                          | 18             | 12               | 66.7             | 0                       | 229     | 0    | 0    | 4    | 233   |
| 1988-1993                                  |                |                  |                  |                         |         |      |      |      |       |
| Average                                    | 49             | 34               | 71.0             | 0                       | 529     | 20   | 62   | 0    | 611   |
| 1995-1996                                  |                |                  |                  |                         |         |      |      |      |       |
| Average                                    | 5              | 5                | 87.5             | 0                       | 124     | 0    | 0    | 0    | 124   |
| <b>Adak District Subsistence</b>           |                |                  |                  |                         |         |      |      |      |       |
| 1998                                       | 13             | 10               | 76.9%            | 0                       | 399     | 0    | 25   | 0    | 424   |
| 1999                                       | 5              | 5                | 100.0%           | 0                       | 164     | 4    | 0    | 0    | 168   |
| 2000                                       | 13             | 12               | 92.3%            | 0                       | 265     | 4    | 78   | 0    | 347   |
| 2001                                       | 17             | 14               | 82.4%            | 0                       | 474     | 19   | 17   | 0    | 510   |
| 2002                                       | 3              | 3                | 100.0%           | 0                       | 150     | 0    | 0    | 0    | 150   |
| 2003                                       | 6              | 5                | 83.3%            | 0                       | 363     | 0    | 0    | 0    | 363   |
| 2004                                       | 6              | 4                | 66.7%            | 0                       | 336     | 0    | 0    | 0    | 336   |
| 2005                                       | 2              | 2                | 100.0%           | 0                       | 188     | 0    | 0    | 0    | 188   |
| 2006                                       | 1              | 1                | 100.0%           | 0                       | 74      | 0    | 1    | 0    | 75    |
| 2007                                       | 9              | 6                | 66.7%            | 0                       | 488     | 3    | 38   | 0    | 529   |
| 2008                                       | 10             | 6                | 60.0%            | 0                       | 397     | 0    | 19   | 0    | 416   |
| 2003-2007                                  |                |                  |                  |                         |         |      |      |      |       |
| Average                                    | 5              | 4                | 1                | 0                       | 290     | 1    | 8    | 0    | 298   |

Note: The total number of salmon harvested are extrapolated from returned permits.

<sup>a</sup> U.S. Navy presence at Adak was reduced; there were no requests for personal use salmon permits.

<sup>b</sup> In 1997, a substantial number of civilians were hired by the Navy to work in a cleanup effort at Adak.

Appendix C4.—Average subsistence salmon harvest in numbers of fish by species, per successful permit holder, 2008.

| Community                | Estimated Number<br>Permits Fished <sup>a</sup> | Estimated Harvest <sup>a</sup> Per Permit Holder |         |      |      |      | Total |
|--------------------------|---|--|---------|------|------|------|-------|
|                          |   | Chinook  | Sockeye | Coho | Pink | Chum |       |
| AK Pen. Local Residents  |   |  |         |      |      |      |       |
| Sand Point               | 29  | 2  | 68      | 27   | 33   | 13   | 143   |
| King Cove                | 48  | 0  | 69      | 61   | 7    | 8    | 145   |
| Cold Bay                 | 14  | 0  | 22      | 0    | 1    | 1    | 24    |
| False Pass               | 2   | 6  | 8       | 5    | 14   | 0    | 33    |
| Nelson Lagoon            | 0   | 0  | 0       | 0    | 0    | 0    | 0     |
| Port Moller              | 2   | 0  | 250     | 0    | 0    | 0    | 250   |
| Port Heiden              | 27  | 7  | 38      | 30   | 1    | 2    | 78    |
| Non-local AK. Residents  |   |  |         |      |      |      |       |
| Fishing AK. Pen. Area    | 15  | 0  | 42      | 5    | 0    | 1    | 48    |
| Unalaska Local Residents | 123   | 0  | 15      | 6    | 5    | 1    | 27    |
| Non-local AK. Residents  |   |  |         |      |      |      |       |
| Fishing Unalaska Area    | 0   | 0  | 0       | 0    | 0    | 0    | 0     |
| Adak                     | 9   | 0  | 397     | 0    | 19   | 0    | 416   |

<sup>a</sup>The total number of permit holders and salmon harvested are extrapolated from returned permits.

Appendix C5.—Average subsistence salmon harvest by species, in percent, by successful permit holder, by community, in the Alaska Peninsula, Unalaska, and Adak districts, 2008.

| Community                | Percent by Species |         |      |      |      | Total |
|--------------------------|--------------------|---------|------|------|------|-------|
|                          | Chinook            | Sockeye | Coho | Pink | Chum |       |
| AK Pen. Local Residents  |                    |         |      |      |      |       |
| Sand Point               | 1%                 | 48%     | 19%  | 23%  | 9%   | 100%  |
| King Cove                | 0%                 | 48%     | 42%  | 5%   | 6%   | 100%  |
| Cold Bay                 | 0%                 | 92%     | 0%   | 4%   | 4%   | 100%  |
| False Pass               | 18%                | 24%     | 15%  | 42%  | 0%   | 100%  |
| Nelson Lagoon            | 0%                 | 0%      | 0%   | 0%   | 0%   | 0%    |
| Port Moller              | 0%                 | 100%    | 0%   | 0%   | 0%   | 100%  |
| Port Heiden              | 9%                 | 49%     | 38%  | 1%   | 3%   | 100%  |
| Non-local AK. Residents  |                    |         |      |      |      |       |
| Fishing AK. Pen. Area    | 0%                 | 88%     | 10%  | 0%   | 2%   | 100%  |
| Unalaska Local Residents | 0%                 | 56%     | 22%  | 19%  | 4%   | 100%  |
| Non-local AK. Residents  |                    |         |      |      |      |       |
| Fishing Unalaska Area    | 0%                 | 0%      | 0%   | 0%   | 0%   | 0%    |
| Adak                     | 0%                 | 95%     | 0%   | 5%   | 0%   | 100%  |

Appendix C6.—Mortensen's Lagoon subsistence and commercial sockeye and coho salmon harvests and escapements, in numbers of fish, 2008.

|   | Permits | Sockeye            | Coho             |
|---|---------|--------------------|------------------|
| <b>Subsistence Harvest<sup>a</sup></b>      |         |                    |                  |
| Cold Bay Locals                             | 17      | 601                | 43               |
| King Cove Locals                            | 11      | 603                | 214              |
| Other Alaska Residents                      | 3       | 25                 | 0                |
| Total subsistence harvest                   | 31      | 1,229              | 257              |
| <b>Commercial Harvest<sup>b</sup></b>       | 9       | 4,254              | 77               |
| <b>Subsistence &amp; Commercial Harvest</b> |         | 5,483              | 334              |
| <b>Escapement</b>                           |         | 5,600 <sup>c</sup> | 400 <sup>d</sup> |

<sup>a</sup> The number of subsistence salmon permit holders estimated to be fishing at Mortensen's Lagoon and the estimated harvest are extrapolated from permit returns.

<sup>b</sup> The commercial harvest includes all of statistical area 284-62 (formerly 283-32). Some of the salmon caught in area 284-62 may have been destined for systems other than Mortensen's Lagoon.

<sup>c</sup> Estimated total escapement (aerial survey).

<sup>d</sup> Peak escapement (aerial survey).

Appendix C7.—Number of Mortensen's Lagoon subsistence users by community, 1982-2008.

| Year                           | Number of fishers |                    |                           | Total |
|--------------------------------|-------------------|--------------------|---------------------------|-------|
|                                | Local<br>Cold Bay | Local<br>King Cove | Non-Local<br>AK Residents |       |
| 1982                           | 21                | 6                  | 3                         | 30    |
| 1983                           | 18                | 15                 | 4                         | 37    |
| 1984                           | 15                | 6                  | 6                         | 27    |
| 1985                           | 10                | 5                  | 7                         | 22    |
| 1986                           | 11                | 1                  | 0                         | 12    |
| 1987                           | 17                | 1                  | 4                         | 22    |
| 1988                           | 21                | 0                  | 0                         | 21    |
| 1989                           | 12                | 0                  | 7                         | 19    |
| 1990                           | 13                | 0                  | 14                        | 27    |
| 1991                           | 19                | 2                  | 21                        | 42    |
| 1992                           | 15                | 1                  | 18                        | 34    |
| 1993                           | 15                | 0                  | 39                        | 54    |
| 1994                           | 11                | 1                  | 29                        | 41    |
| 1995                           | 11                | 13                 | 39                        | 63    |
| 1996                           | 9                 | 12                 | 20                        | 41    |
| 1997                           | 11                | 10                 | 15                        | 36    |
| 1998                           | 12                | 7                  | 15                        | 34    |
| 1999                           | 6                 | 4                  | 6                         | 16    |
| 2000                           | 13                | 10                 | 3                         | 26    |
| 2001                           | 12                | 9                  | 5                         | 26    |
| 2002                           | 13                | 4                  | 6                         | 23    |
| 2003                           | 15                | 16                 | 4                         | 35    |
| 2004                           | 18                | 9                  | 2                         | 29    |
| 2005                           | 9                 | 9                  | 2                         | 20    |
| 2006                           | 14                | 13                 | 7                         | 34    |
| 2007                           | 17                | 9                  | 3                         | 29    |
| 2008                           | 17                | 11                 | 3                         | 31    |
| 1990-1998 Average <sup>a</sup> | 13                | 5                  | 23                        | 41    |
| 2003-2007 Average              | 15                | 11                 | 4                         | 29    |

<sup>a</sup> In the years between 1990 to 1998 an increased number of non-local fishermen harvested salmon in the Mortensens Lagoon area.

Appendix C8.—Thin Point Cove subsistence and commercial sockeye and coho salmon harvests and escapements, 2008.

| Fishery                          | Permits | Sockeye             | Coho               |
|----------------------------------|---------|---------------------|--------------------|
| <b>Subsistence<sup>a</sup></b>   |         |                     |                    |
| King Cove Locals                 | 31      | 1,715               | 2,016              |
| False Pass Locals                | 0       | 0                   | 0                  |
| Cold Bay Locals                  | 0       | 0                   | 0                  |
| Other Alaska Residents           | 0       | 0                   | 0                  |
| <b>Total Subsistence Harvest</b> | 31      | 1,715               | 2,016              |
| <b>Commercial<sup>b</sup></b>    | 14      | 18,942              | 2,992              |
| <b>Total Harvest</b>             |         | 20,657              | 5,008              |
| <b>Escapement</b>                |         | 18,900 <sup>c</sup> | 3,200 <sup>d</sup> |

<sup>a</sup> The number of subsistence permit holders fishing Thin Point Cove and the number of subsistence salmon harvested are extrapolated from returned permits.

<sup>b</sup> Commercial harvest information was from the fish ticket database and includes all of statistical area 284-75.

<sup>c</sup> Estimated total escapement (aerial survey).

<sup>d</sup> Peak escapement (aerial survey).

Appendix C9.—Lenard Harbor subsistence and commercial coho salmon harvests, 2008.

| Fishery                  | Permits  | Coho      |
|--------------------------|----------|-----------|
| Subsistence <sup>a</sup> | 1        | 45        |
| Commercial <sup>b</sup>  | 1        | 0         |
| <b>Total Harvest</b>     | <b>2</b> | <b>45</b> |

<sup>a</sup> The number of subsistence permits used at Lenard Harbor and the number of subsistence salmon harvested are extrapolated from returned permits.

<sup>b</sup> Commercial harvest information was from the fish ticket database and includes all of statistical area 284-65, the Lenard Harbor Section.

Appendix C10.—Estimated Lenard Harbor coho salmon subsistence harvests and escapements, 1998-2008.

| Year                     | Permits  | Subsistence Harvest | Escapement     | Total Observed Run |
|--------------------------|----------|---------------------|----------------|--------------------|
| 1998                     | 11       | 1,043               | No information |                    |
| 1999                     | 6        | 412                 | 130            | 542                |
| 2000                     | 1        | 23                  | 600            | 623                |
| 2001                     | 6        | 457                 | 1,300          | 1,757              |
| 2002                     | 8        | 581                 | 800            | 1,381              |
| 2003                     | 11       | 958                 | 1,350          | 2,308              |
| 2004                     | 6        | 762                 | 587            | 1,349              |
| 2005                     | 13       | 847                 | 900            | 1,747              |
| 2006                     | 6        | 664                 | 2,700          | 3,364              |
| 2007                     | 11       | 812                 | 1,200          | 2,012              |
| 2008                     | 1        | 45                  | 400            | 445                |
| <b>2003-2007 Average</b> | <b>9</b> | <b>809</b>          | <b>1,267</b>   | <b>2,030</b>       |

Appendix C11.—Estimated Unalaska Island subsistence sockeye and coho salmon harvest by major location, in number of fish, 2008.

| Location               | Permits <sup>a</sup> | Species | Harvest <sup>a</sup> | Percent of Total Harvest |
|------------------------|----------------------|---------|----------------------|--------------------------|
| Reese Bay (Wislow)     | 52                   | Sockeye | 1,127                | 61%                      |
|                        |                      | Coho    | 0                    | 0%                       |
| Broad Bay              | 23                   | Sockeye | 23                   | 1%                       |
|                        |                      | Coho    | 224                  | 31%                      |
| Wide Bay               | 1                    | Sockeye | 0                    | 0%                       |
|                        |                      | Coho    | 0                    | 0%                       |
| Nateeken Bay           | 12                   | Sockeye | 3                    | 0%                       |
|                        |                      | Coho    | 55                   | 8%                       |
| Captains Bay           | 17                   | Sockeye | 3                    | 0%                       |
|                        |                      | Coho    | 164                  | 23%                      |
| Unalaska Lake vicinity | 35                   | Sockeye | 344                  | 19%                      |
|                        |                      | Coho    | 144                  | 20%                      |
| Other locations        | 30                   | Sockeye | 333                  | 18%                      |
|                        |                      | Coho    | 139                  | 19%                      |
| Totals                 | 170 <sup>b</sup>     | Sockeye | 1,833                | 100%                     |
|                        |                      | Coho    | 726                  | 100%                     |

<sup>a</sup> The number of successful permit holders and salmon harvested are extrapolated from returned permits.

<sup>b</sup> Some permits fished in more than one location.

Appendix C12.–Estimated Mortensen's Lagoon, Thin Point Cove, and Reese Bay subsistence salmon harvest, in number of fish, 1982-2008.

| Year              | Mortensen's Lagoon   |                      |                   | Thin Point Cove      |                      |                   | Reese (Wislow) Bay   |                      |
|-------------------|----------------------|----------------------|-------------------|----------------------|----------------------|-------------------|----------------------|----------------------|
|                   | Permits <sup>a</sup> | Sockeye <sup>a</sup> | Coho <sup>a</sup> | Permits <sup>a</sup> | Sockeye <sup>a</sup> | Coho <sup>a</sup> | Permits <sup>a</sup> | Sockeye <sup>a</sup> |
| 1982              | 30                   | 590                  | 1,145             | -                    | -                    | -                 | -                    | -                    |
| 1983              | 41                   | 300                  | 1,600             | -                    | -                    | -                 | -                    | -                    |
| 1984              | 27                   | 745                  | 500               | -                    | -                    | -                 | -                    | -                    |
| 1985              | 22                   | 590                  | 831               | -                    | -                    | -                 | 23                   | 669                  |
| 1986              | 12                   | 362                  | 178               | 15                   | 1,586                | 656               | 54                   | 2,824                |
| 1987              | 22                   | 604                  | 254               | 15                   | 1,226                | 966               | 20                   | 806                  |
| 1988              | 21                   | 737                  | 66                | 17                   | 488                  | 2,196             | 21                   | 792                  |
| 1989              | 19                   | 420                  | 28                | 17                   | 1,479                | 1,239             | 12                   | 436                  |
| 1990              | 27                   | 745                  | 95                | 29                   | 751                  | 2,578             | 12                   | 1,421                |
| 1991              | 42                   | 1,144                | 83                | 27                   | 913                  | 3,154             | 35                   | 1,180                |
| 1992              | 34                   | 851                  | 104               | 23                   | 547                  | 927               | 59                   | 2,479                |
| 1993              | 54                   | 1,596                | 148               | 37                   | 1,511                | 3,184             | 37                   | 1,425                |
| 1994              | 41                   | 903                  | 283               | 23                   | 734                  | 2,443             | 60                   | 2,298                |
| 1995              | 63                   | 1,940                | 175               | 17                   | 1,307                | 1,348             | 82                   | 3,985                |
| 1996              | 41                   | 958                  | 508               | 37                   | 2,609                | 2,819             | 45                   | 968                  |
| 1997              | 36                   | 1,440                | 200               | 14                   | 746                  | 1,271             | 121                  | 3,945                |
| 1998              | 34                   | 1,034                | 164               | 18                   | 972                  | 1,413             | 89                   | 2,866                |
| 1999              | 16                   | 443                  | 269               | 21                   | 2,135                | 1,123             | 72                   | 2,091                |
| 2000              | 26                   | 844                  | 291               | 22                   | 904                  | 1,910             | 86                   | 2,898                |
| 2001              | 26                   | 918                  | 87                | 33                   | 2,960                | 1,754             | 63                   | 3,389                |
| 2002              | 23                   | 811                  | 77                | 25                   | 2,913                | 1,213             | 63                   | 4,694                |
| 2003              | 35                   | 1,817                | 434               | 36                   | 3,002                | 1,527             | 106                  | 4,388                |
| 2004              | 29                   | 1,623                | 146               | 28                   | 2,877                | 1,389             | 86                   | 3,771                |
| 2005              | 20                   | 952                  | 81                | 31                   | 2,572                | 964               | 91                   | 3,363                |
| 2006              | 34                   | 1,594                | 29                | 18                   | 1,748                | 953               | 52                   | 1,451                |
| 2007              | 29                   | 1,115                | 166               | 17                   | 2,040                | 650               | 58                   | 1,605                |
| 2008              | 31                   | 1,229                | 257               | 31                   | 1,715                | 2,016             | 51                   | 1,108                |
| 2003-2007 Average | 29                   | 1,420                | 171               | 26                   | 2,448                | 1,097             | 79                   | 2,916                |

Note: data includes both local and non-local Alaska State residents.

<sup>a</sup> The number of permit holders and salmon harvested are extrapolated from returned permits.

Appendix C13.–Adak District subsistence salmon harvest, in number of fish, 2008.

|  | Number | Percent |
|--|--------|---------|
| Number of Permits Issued                       | 10     | -       |
| Number of Permits Returned                     | 6      | 60.0%   |
| Number of Returned Permits Reporting Catch     | 6      | 60.0%   |
| Estimated Number of Permit Holders That Fished | 8      | 80.0%   |

Average Catch Per Successful Permit Holder

| Chinook | Sockeye | Coho | Pink | Chum | Total |
|---------|---------|------|------|------|-------|
| 0       | 46      | 0    | 2    | 0    | 48    |

Total Estimated Harvest

| Chinook | Sockeye | Coho | Pink | Chum | Total |
|---------|---------|------|------|------|-------|
| 0       | 397     | 0    | 19   | 0    | 416   |

*Note:* The total number of salmon harvested are extrapolated from returned permits.

## **APPENDIX D: ESCAPEMENT DATA**

Appendix D1.—Alaska Peninsula Management Area estimated total Chinook, sockeye, pink and chum salmon escapements by species and year, 1962-2008.

| Year | Area            | Chinook       | Sockeye        | Pink <sup>a</sup> | Chum           |
|------|-----------------|---------------|----------------|-------------------|----------------|
| 1962 | South Peninsula | 0             | 18,800         | 1,598,800         | 399,400        |
|      | North Peninsula | <u>4,400</u>  | <u>351,200</u> | <u>4,000</u>      | <u>150,900</u> |
|      | Total           | 4,400         | 370,000        | 1,602,800         | 550,300        |
| 1963 | South Peninsula | 0             | 23,000         | 1,317,900         | 446,700        |
|      | North Peninsula | <u>6,200</u>  | <u>351,000</u> | <u>4,400</u>      | <u>203,200</u> |
|      | Total           | 6,200         | 374,000        | 1,322,300         | 649,900        |
| 1964 | South Peninsula | 0             | 15,700         | 1,436,400         | 454,800        |
|      | North Peninsula | <u>25,900</u> | <u>419,900</u> | <u>15,100</u>     | <u>156,100</u> |
|      | Total           | 25,900        | 435,600        | 1,451,500         | 610,900        |
| 1965 | South Peninsula | 0             | 12,100         | 1,035,400         | 228,000        |
|      | North Peninsula | <u>22,100</u> | <u>238,400</u> | <u>900</u>        | <u>49,300</u>  |
|      | Total           | 22,100        | 250,500        | 1,036,300         | 277,300        |
| 1966 | South Peninsula | 0             | 17,000         | 719,400           | 422,000        |
|      | North Peninsula | <u>8,200</u>  | <u>283,300</u> | <u>2,000</u>      | <u>149,000</u> |
|      | Total           | 8,200         | 300,300        | 721,400           | 571,000        |
| 1967 | South Peninsula | 0             | 16,200         | 445,500           | 182,900        |
|      | North Peninsula | <u>12,200</u> | <u>299,700</u> | <u>700</u>        | <u>122,600</u> |
|      | Total           | 12,200        | 315,900        | 446,200           | 305,500        |
| 1968 | South Peninsula | 0             | 12,800         | 823,300           | 279,100        |
|      | North Peninsula | <u>15,800</u> | <u>251,300</u> | <u>26,500</u>     | <u>250,800</u> |
|      | Total           | 15,800        | 264,100        | 849,800           | 529,900        |
| 1969 | South Peninsula | 0             | 29,500         | 2,474,900         | 134,600        |
|      | North Peninsula | <u>19,500</u> | <u>575,000</u> | <u>4,400</u>      | <u>146,800</u> |
|      | Total           | 19,500        | 604,500        | 2,479,300         | 281,400        |
| 1970 | South Peninsula | 0             | 16,500         | 1,298,900         | 280,500        |
|      | North Peninsula | <u>8,300</u>  | <u>451,500</u> | <u>11,100</u>     | <u>169,800</u> |
|      | Total           | 8,300         | 468,000        | 1,310,000         | 450,300        |
| 1971 | South Peninsula | 0             | 19,400         | 702,700           | 343,200        |
|      | North Peninsula | <u>5,200</u>  | <u>435,100</u> | <u>8,600</u>      | <u>109,400</u> |
|      | Total           | 5,200         | 454,500        | 711,300           | 452,600        |
| 1972 | South Peninsula | 0             | 11,900         | 111,400           | 254,500        |
|      | North Peninsula | <u>5,000</u>  | <u>190,200</u> | <u>1,300</u>      | <u>124,000</u> |
|      | Total           | 5,000         | 202,100        | 112,700           | 378,500        |
| 1973 | South Peninsula | 0             | 7,300          | 110,800           | 505,500        |
|      | North Peninsula | <u>4,300</u>  | <u>180,200</u> | <u>200</u>        | <u>122,400</u> |
|      | Total           | 4,300         | 187,500        | 111,000           | 627,900        |

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| Year | Area            | Chinook | Sockeye   | Pink <sup>a</sup> | Chum      |
|------|-----------------|---------|-----------|-------------------|-----------|
| 1974 | South Peninsula | 0       | 95,600    | 284,400           | 257,300   |
|      | North Peninsula | 3,000   | 332,800   | 23,000            | 105,100   |
|      | Total           | 3,000   | 428,400   | 307,400           | 362,400   |
| 1975 | South Peninsula | 0       | 51,700    | 552,100           | 193,300   |
|      | North Peninsula | 4,600   | 516,800   | 600               | 109,200   |
|      | Total           | 4,600   | 568,500   | 552,700           | 302,500   |
| 1976 | South Peninsula | 0       | 69,700    | 1,456,400         | 327,200   |
|      | North Peninsula | 6,000   | 532,600   | 37,300            | 293,400   |
|      | Total           | 6,000   | 602,300   | 1,493,700         | 620,600   |
| 1977 | South Peninsula | 0       | 64,900    | 2,677,800         | 774,900   |
|      | North Peninsula | 7,100   | 541,100   | 8,500             | 681,200   |
|      | Total           | 7,100   | 606,000   | 2,686,300         | 1,456,100 |
| 1978 | South Peninsula | 0       | 64,800    | 2,858,700         | 600,500   |
|      | North Peninsula | 13,700  | 1,213,500 | 96,800            | 310,500   |
|      | Total           | 13,700  | 1,278,300 | 2,955,500         | 911,000   |
| 1979 | South Peninsula | 0       | 53,300    | 2,629,500         | 411,100   |
|      | North Peninsula | 15,800  | 1,574,000 | 9,300             | 305,300   |
|      | Total           | 15,800  | 1,627,300 | 2,638,800         | 716,400   |
| 1980 | South Peninsula | 0       | 45,900    | 2,641,600         | 362,400   |
|      | North Peninsula | 11,000  | 1,387,600 | 103,600           | 769,500   |
|      | Total           | 11,000  | 1,433,500 | 2,745,200         | 1,131,900 |
| 1981 | South Peninsula | 0       | 45,700    | 2,307,500         | 381,300   |
|      | North Peninsula | 12,400  | 1,347,900 | 6,100             | 535,200   |
|      | Total           | 12,400  | 1,393,600 | 2,313,600         | 916,500   |
| 1982 | South Peninsula | 0       | 39,200    | 2,293,000         | 386,900   |
|      | North Peninsula | 20,000  | 718,400   | 51,700            | 457,600   |
|      | Total           | 20,000  | 757,600   | 2,344,700         | 844,500   |
| 1983 | South Peninsula | 0       | 59,200    | 851,200           | 446,500   |
|      | North Peninsula | 25,700  | 580,300   | 4,000             | 392,600   |
|      | Total           | 25,700  | 639,500   | 855,200           | 839,100   |
| 1984 | South Peninsula | 0       | 54,800    | 3,811,600         | 699,700   |
|      | North Peninsula | 17,700  | 826,000   | 56,600            | 870,200   |
|      | Total           | 17,700  | 880,800   | 3,868,200         | 1,569,900 |
| 1985 | South Peninsula | 0       | 49,900    | 1,614,100         | 503,400   |
|      | North Peninsula | 12,900  | 898,100   | 1,400             | 344,200   |
|      | Total           | 12,900  | 948,000   | 1,615,500         | 847,600   |

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| Year | Area            | Chinook       | Sockeye          | Pink <sup>a</sup> | Chum             |
|------|-----------------|---------------|------------------|-------------------|------------------|
| 1986 | South Peninsula | 0             | 48,000           | 1,716,700         | 544,600          |
|      | North Peninsula | 8,700         | 580,300          | 13,300            | 243,600          |
|      | <u>Total</u>    | <u>8,700</u>  | <u>628,300</u>   | <u>1,730,000</u>  | <u>788,200</u>   |
| 1987 | South Peninsula | 0             | 44,600           | 1,540,500         | 620,700          |
|      | North Peninsula | 10,700        | 556,000          | 100               | 510,900          |
|      | <u>Total</u>    | <u>10,700</u> | <u>600,600</u>   | <u>1,540,600</u>  | <u>1,131,600</u> |
| 1988 | South Peninsula | 0             | 74,100           | 2,839,600         | 496,400          |
|      | North Peninsula | 11,700        | 614,900          | 43,500            | 500,300          |
|      | <u>Total</u>    | <u>11,700</u> | <u>689,000</u>   | <u>2,883,100</u>  | <u>996,700</u>   |
| 1989 | South Peninsula | 0             | 78,100           | 1,870,900         | 310,500          |
|      | North Peninsula | 5,600         | 814,400          | 1,900             | 212,300          |
|      | <u>Total</u>    | <u>5,600</u>  | <u>892,500</u>   | <u>1,872,800</u>  | <u>522,800</u>   |
| 1990 | South Peninsula | 0             | 95,300           | 1,598,400         | 354,700          |
|      | North Peninsula | 7,100         | 1,032,200        | 132,200           | 226,400          |
|      | <u>Total</u>    | <u>7,100</u>  | <u>1,127,500</u> | <u>1,730,600</u>  | <u>581,100</u>   |
| 1991 | South Peninsula | 0             | 124,900          | 2,946,800         | 587,600          |
|      | North Peninsula | 9,600         | 1,317,300        | 6,300             | 303,300          |
|      | <u>Total</u>    | <u>9,600</u>  | <u>1,442,200</u> | <u>2,953,100</u>  | <u>890,900</u>   |
| 1992 | South Peninsula | 0             | 97,600           | 2,834,400         | 335,500          |
|      | North Peninsula | 6,600         | 861,300          | 207,600           | 351,700          |
|      | <u>Total</u>    | <u>6,600</u>  | <u>958,900</u>   | <u>3,042,000</u>  | <u>687,200</u>   |
| 1993 | South Peninsula | 0             | 100,341          | 2,990,140         | 397,030          |
|      | North Peninsula | 13,745        | 1,003,848        | 72,830            | 402,380          |
|      | <u>Total</u>    | <u>13,745</u> | <u>1,104,189</u> | <u>3,062,970</u>  | <u>799,410</u>   |
| 1994 | South Peninsula | 0             | 120,255          | 3,071,725         | 579,100          |
|      | North Peninsula | 38,400        | 1,211,400        | 133,200           | 480,200          |
|      | <u>Total</u>    | <u>38,400</u> | <u>1,331,655</u> | <u>3,204,925</u>  | <u>1,059,300</u> |
| 1995 | South Peninsula | 0             | 129,110          | 6,406,300         | 726,400          |
|      | North Peninsula | 24,400        | 1,077,030        | 8,200             | 756,000          |
|      | <u>Total</u>    | <u>24,400</u> | <u>1,206,140</u> | <u>6,414,500</u>  | <u>1,482,400</u> |
| 1996 | South Peninsula | 0             | 72,950           | 3,647,550         | 610,300          |
|      | North Peninsula | 25,670        | 967,890          | 382,600           | 823,130          |
|      | <u>Total</u>    | <u>25,670</u> | <u>1,040,840</u> | <u>4,030,150</u>  | <u>1,433,430</u> |
| 1997 | South Peninsula | 0             | 104,440          | 5,243,275         | 809,050          |
|      | North Peninsula | 19,250        | 820,243          | 24,750            | 388,185          |
|      | <u>Total</u>    | <u>19,250</u> | <u>924,683</u>   | <u>5,268,025</u>  | <u>1,197,235</u> |

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Appendix D1.–Page 4 of 4.

| Year                 | Area            | Chinook | Sockeye   | Pink <sup>a</sup> | Chum      |
|----------------------|-----------------|---------|-----------|-------------------|-----------|
| 1998                 | South Peninsula | 0       | 85,440    | 4,668,065         | 742,235   |
|                      | North Peninsula | 14,954  | 894,015   | 300,000           | 729,350   |
|                      | Total           | 14,954  | 979,455   | 4,968,065         | 1,471,585 |
| 1999                 | South Peninsula | 0       | 96,800    | 5,015,310         | 725,180   |
|                      | North Peninsula | 10,907  | 897,267   | 20,000            | 666,275   |
|                      | Total           | 10,907  | 994,067   | 5,035,310         | 1,391,455 |
| 2000                 | South Peninsula | 0       | 69,530    | 2,792,985         | 522,075   |
|                      | North Peninsula | 9,565   | 927,194   | 50,000            | 594,700   |
|                      | Total           | 9,565   | 996,724   | 2,842,985         | 1,116,775 |
| 2001                 | South Peninsula | 0       | 161,630   | 2,965,136         | 751,221   |
|                      | North Peninsula | 13,337  | 875,353   | 31,141            | 692,712   |
|                      | Total           | 13,337  | 1,036,983 | 2,996,277         | 1,443,933 |
| 2002                 | South Peninsula | 0       | 192,749   | 3,762,800         | 602,750   |
|                      | North Peninsula | 18,924  | 894,543   | 40,000            | 679,810   |
|                      | Total           | 18,924  | 1,087,292 | 3,802,800         | 1,282,560 |
| 2003                 | South Peninsula | 0       | 198,192   | 5,511,220         | 476,540   |
|                      | North Peninsula | 11,078  | 1,231,411 | 20,000            | 447,960   |
|                      | Total           | 11,078  | 1,429,603 | 5,531,220         | 924,500   |
| 2004                 | South Peninsula | 0       | 220,861   | 8,311,410         | 732,400   |
|                      | North Peninsula | 30,874  | 1,433,827 | 122,000           | 434,950   |
|                      | Total           | 30,874  | 1,654,688 | 8,433,410         | 1,167,350 |
| 2005                 | South Peninsula | 0       | 124,000   | 6,165,634         | 970,313   |
|                      | North Peninsula | 30,617  | 1,556,888 | 52,628            | 296,640   |
|                      | Total           | 30,617  | 1,680,888 | 6,218,262         | 1,266,953 |
| 2006                 | South Peninsula | 0       | 87,783    | 3,102,445         | 786,485   |
|                      | North Peninsula | 32,173  | 1,157,546 | 252,462           | 576,043   |
|                      | Total           | 32,173  | 1,245,329 | 3,354,907         | 1,362,528 |
| 2007                 | South Peninsula | 0       | 69,013    | 2,680,213         | 726,661   |
|                      | North Peninsula | 20,685  | 1,069,752 | 45,509            | 578,784   |
|                      | Total           | 20,685  | 1,138,765 | 2,725,722         | 1,305,445 |
| 2008                 | South Peninsula | 0       | 95,859    | 3,338,370         | 591,950   |
|                      | North Peninsula | 36,072  | 1,012,320 | 49,400            | 470,287   |
|                      | Total           | 36,072  | 1,108,179 | 3,387,770         | 1,062,237 |
| 1998-2007<br>Average | South Peninsula | 0       | 130,600   | 4,497,522         | 703,586   |
|                      | North Peninsula | 19,311  | 1,093,780 | 93,374            | 569,722   |
|                      | Total           | 19,311  | 1,224,379 | 4,590,896         | 1,273,308 |

Note: Coho salmon escapement estimates are not available due to incomplete data.

<sup>a</sup> North Peninsula pink salmon escapement estimates are based on incomplete data.



**APPENDIX E: COMMERCIAL SALMON FISHING  
REGULATIONS**

**CHAPTER 9. ALASKA PENINSULA AREA.**

PLEASE NOTE THAT AS OF 2004 ALL LONGITUDE AND LATITUDE COORDINATES IN THE ALASKA PENINSULA AREA HAVE BEEN CONVERTED TO DECIMAL MINUTES AND ARE BASED ON THE NORTH AMERICAN DATUM OF 1983.

**ARTICLE 1. DESCRIPTION OF AREA.**

**5 AAC 09.001. APPLICATION OF THIS CHAPTER.** Requirements set out in this chapter apply only to commercial fishing, unless otherwise specified. Subsistence, personal use, and sport fishing regulations affecting commercial fishing vessels or affecting any other commercial fishing activity are set out in the subsistence fishing regulations in 5 AAC 01 and 5 AAC 02, personal use fishing regulations in 5 AAC 77, and sport fishing regulations in 5 AAC 65 and 5 AAC 75.

**5 AAC 09.100. DESCRIPTION OF AREA.** The Alaska Peninsula Area includes the waters of Alaska on the north side of the Alaska Peninsula, southwest of a line from Cape Menshikof (57° 28.34' N. lat., 157° 55.84' W. long.) to Cape Newenham (58° 39.00' N. lat., 162° W. long.) and east of the longitude of Cape Sarichef Light (164° 55.70' W. long.) and on the south side of the Alaska Peninsula, from a line extending from Scotch Cap through the easternmost tip of Ugamak Island to a line extending 135° southeast from Kupreanof Point (55° 33.98' N. lat., 159° 35.88' W. long.).

**ARTICLE 2. FISHING DISTRICTS AND SECTIONS.**

**5 AAC 09.200. DESCRIPTION OF DISTRICTS AND SECTIONS.** (a) Northern District: waters on the north (Bering Sea) side of the Alaska Peninsula west of a line from Cape Menshikof (57° 28.34' N. lat., 157° 55.84' W. long.) to Cape Newenham (58° 39.00' N. lat., 162° W. long.) and the longitude of Moffet Point (162° 35.50' W. long.), excluding the waters of Moffet Bay (also known as Moffet Lagoon);

(1) Cinder River Section: waters of the Northern District east of 158° 20.00' W. long.;

(2) Port Heiden Sections:

(A) Outer Port Heiden Section: waters located between 158° 20.00' W. long. and the longitude of Strogonof Point (158° 50.45' W. long.), excluding the waters of the Inner Port Heiden Section;

(B) Inner Port Heiden Section: waters of Port Heiden Bay south and east of a line from Strogonof Point at 56° 53.50' N. lat., 158° 50.45' W. long. to the mainland shore of the northeast entrance to the bay at 56° 56.50' N. lat., 158° 41.50' W. long.;

(3) Ilnik Section: waters between the longitude of Strogonof Point (158° 50.45' W. long.) and the longitude of Three Hills (159° 49.45' W. long.);

(4) Three Hills Section: waters between the longitude of Three Hills (159° 49.45' W. long.) and the longitude of Cape Seniavin (160° 08.25' W. long.);

(5) Bear River Section: waters between the longitude of Cape Seniavin (160° 08.25' W. long.) and the longitude of Wolf Point (160° 48.47' W. long.), excluding the waters of the Herendeen-Moller Bay Section;

(6) Port Moller Bight Section: waters enclosed by a line from Entrance Point to Harbor Point;

(7) Herendeen-Moller Bay Section: waters enclosed by a line from Harbor Point to Entrance Point to Wolf Point to Point Edward on Cape Rozhnof;

(8) Nelson Lagoon Section: waters of Nelson Lagoon inside the bars and inside a line extending from Lagoon Point to Wolf Point to Point Edward on Cape Rozhnof;

(9) Caribou Flats Section: waters between the longitude of Wolf Point (160° 48.47' W. long.) and the longitude of Frank's Point (161° 49.00' W. long.), excluding the waters of the Nelson Lagoon Section;

(10) Black Hills Section: waters between the longitude of Frank's Point (161° 49.00' W. long.) and the longitude of Moffet Point (162° 35.50' W. long.), excluding the waters of Moffet Bay (also known as Moffet Lagoon).

(b) Northwestern District: waters on the north (Bering Sea) side of the Alaska Peninsula between the longitude of Moffet Point (162° 35.50' W. long.) and the longitude of Cape Sarichef Light on Unimak Island (164° 55.70' W. long.), including all waters of Moffet Bay (also known as Moffet Lagoon) and the waters of Bechevin Bay and Isanotski Strait north of a line from the False Pass cannery dock to Nichols Point;

(1) Izembek-Moffet Bay Section: waters between the longitude of Moffet Point (162° 35.50' W. long.) and the longitude of the easternmost tip of Chunak Point (163° 27.00' W. long.), including all of Moffet Bay (also known as Moffet Lagoon), excluding the waters of the Bechevin Bay Section;

(2) Bechevin Bay Section: waters of Bechevin Bay and Isanotski Strait enclosed on the north by a line from the easternmost tip of Chunak Point to the westernmost tip of Cape Kretnitzin and enclosed on the south by a line from the False Pass cannery dock to Nichols Point;

(3) Swanson Lagoon Section: waters on the north side of Unimak Island between the longitude of the easternmost edge of Chunak Point (163° 27.00' W. long.) and east of the longitude of Otter Point (163° 47.00' W. long.), excluding the waters of the Bechevin Bay Section;

(4) Uria Bay Section: waters on the north side of Unimak Island west of the longitude of Otter Point (163° 47.00' W. long.) and east of the longitude of the northernmost tip of Cape Mordvinof (164° 26.00' W. long.), including Peterson and Christianson Lagoons;

(5) Dublin Bay Section: waters on the northwest side of Unimak Island west of the longitude of the northernmost tip of Cape Mordvinof (164° 26.00' W. long.) and east of the longitude of Cape Sarichef Light (164° 55.70' W. long.).

(c) Unimak District: waters on the south side of Unimak Island between a line extending from Scotch Cap (54° 24.17' N. lat., 164° 47.60' W. long.) through the easternmost tip of Ugamak Island (54° 12.87' N. lat., 164° 46.00' W. long.) and a line extending 115° from Cape Pankof Light (54° 39.60' N. lat., 163° 03.70' W. long.), including the Sanak Islands;

(1) Cape Lutke Section: waters of the Unimak District west of the longitude of Rock Island (163° 38.00' W. long.);

(2) Otter Cove Section: waters of the Unimak District east of the longitude of Rock Island (163° 38.00' W. long.) and north of 54° 30.00' N. lat.;

(3) Sanak Island Section: waters of the Unimak District east of the longitude of Rock Island (163° 38.00' W. long.) and south of 54° 30.00' N. lat.

(d) Southwestern District: waters on the south side of the Alaska Peninsula north and east of a line extending 115° from Cape Pankof Light (54° 39.60' N. lat., 163° 03.70' W. long.) and west of a line extending 106° from Arch Point Light (55° 12.30' N. lat., 161° 54.30' W. long.) to the western boundary of the Southeastern District (longitude of McGinty Point: 160° 59.00' W. long.), including Inner Iliasik, Outer Iliasik, Goloi, Dolgoi, Poperechoi, and Deer Islands, waters of Ikaton Bay, and waters of Isanotski Strait south of a line from the False Pass cannery dock (54° 51.35' N. lat., 163° 24.38' W. long.) to Nichols Point (54° 51.43' N. lat., 163° 23.23' W. long.);

- (1) Ikatan Bay Section: waters of the Southwestern District located south and west of a line from Kenmore Head (54° 56.83' N. lat., 163° 01.77' W. long.) to Hague Rock (54° 33.17' N. lat., 162° 24.00' W. long.) and west of a line extending true south from Hague Rock;
  - (2) Morzhovoi Bay Section: waters of Morzhovoi Bay north of a line from Kenmore Head to Cape Tachilni (54° 56.00' N. lat., 162° 52.80' W. long.);
  - (3) Thin Point Section: waters of the Southwestern District east of Kenmore Head (54° 56.83' N. lat., 163° 01.77' W. long.) and west of Thin Point (54° 57.32' N. lat., 162° 33.50' W. long.), excluding waters of the Ikatan, Morzhovoi, and Cold Bay Sections;
  - (4) Cold Bay Section: waters north of a line from Thin Point to Vodapoini Point;
  - (5) Deer Island Section: waters within one nautical mile from the mean high tide mark around Deer Island;
  - (6) Belkofski Bay Section: waters between Vodapoini Point and Moss Cape, including Inner and Outer Iliasik Islands, excluding the waters of the Deer Island Section;
  - (7) Volcano Bay Section: waters between Moss Cape and Arch Point, including Goloi, Dolgoi, and Poperechnoi Islands;
  - (8) General Section: all remaining waters of the Southwestern District.
- (e) South Central District: waters on the south side of the Alaska Peninsula north and east of a line extending 106° from Arch Point Light (55° 12.30' N. lat., 161° 54.30' W. long.) and west of a line extending south from McGinty Point (55° 27.37' N. lat., 160° 59.00' W. long.), including Ukolnoi and Wosnesenski Islands;
- (1) West Pavlof Bay Section: waters of the South Central District west of 161° 34.00' W. long.;
  - (2) East Pavlof Bay Section: waters of the South Central District east of 161° 34.00' W. long., excluding the anoe Bay and Mino Creek-Little Coal Bay Sections;
  - (3) Canoe Bay Section: waters of Canoe Bay enclosed by a line from a point at 55° 35.55' N. lat., 161° 21.60' W. long. to a point at 55° 35.65' N. lat., 161° 21.80' W. long.;
  - (4) Mino Creek-Little Coal Bay Section: waters of the South Central District, excluding those of the West and East Pavlof Bay and Canoe Bay Sections, between the longitude of McGinty Point (160° 59.00' W. long.) and the longitude of Cape Tolstoi (161° 30.00' W. long.).
- (f) Southeastern District: waters on the south side of the Alaska Peninsula east of a line extending south from McGinty Point (55° 27.37' N. lat., 160° 59.00' W. long.) and west of a line extending 135° from Kupreanof Point (55° 33.98' N. lat., 159° 35.88' W. long.), including all of the Shumagin Islands;
- (1) Beaver Bay Section: waters of the Southeastern District east of the longitude of McGinty Point (160° 59.00' W. long.), west of 160° 49.00' W. long., and north of 55° 26.00' N. lat.;
  - (2) Balboa Bay Section: waters of the Southeastern District east of 160° 49.00' W. long., north of 55° 26.00' N. lat., and west of the longitude of Swedania Point (160° 31.50' W. long.);
  - (3) Shumagin Islands Section: waters of the Southeastern District east of the longitude of McGinty Point (160° 59.00' W. long.), west of a line extending 135° from Kupreanof Point (55° 33.98' N. lat., 159° 35.88' W. long.), south of a line from 55° 26.00' N. lat., 160° 31.50' W. long., to 55° 32.20' N. lat., 160° 02.60' W. long. (approximately one nautical mile north of Karpa Island), and east to the Alaska Peninsula Area boundary (a line extending 135° from Kupreanof Point), excluding the Beaver Bay, Balboa Bay, and Southwest Stepovak Sections;

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(4) Southwest Stepovak Section: waters of the Southeastern District south of the latitude of 55° 37.33' N. lat., west of 159° 52.00' W. long., north of the Shumagin Islands Section, and east of the Balboa Bay Section;

(5) Northwest Stepovak Section: waters of the Southeastern District north of 55° 37.33' N. lat. and west of the longitude of Dent Point (159° 52.00' W. long.);

(6) Stepovak Flats Section: waters of the Southeastern District north of 55° 48.20' N. lat. and east of the longitude of Dent Point (159° 52.00' W. long.);

(7) East Stepovak Section: waters of the Southeastern District south of 55° 48.20' N. lat., east of the longitude of Dent Point (159° 52.00' W. long.), north of 55° 32.20' N. lat., and west of a line extending 135° from Kupreanof Point (55° 33.98' N. lat., 159° 35.88' W. long.).

**5 AAC 09.206. USE OF GLOBAL POSITIONING SYSTEM (GPS).** In the Alaska Peninsula Area, boundaries, lines, and coordinates are identified with the global positioning system (GPS). If the global positioning system is not operating, the boundaries, lines, and coordinates are as identified by ADF&G regulatory markers.

### **ARTICLE 3. SALMON FISHERY.**

#### **5 AAC 09.301. SEAWARD BOUNDARY OF DISTRICTS.**

For the purpose of managing the historical salmon net fishery in the vicinity of False Pass and Unimak Bight, the outer boundary of the Southwestern and Unimak Districts is a line drawn three miles seaward from a line commencing at 54° 26.70' N. lat., 162° 53.00' W. long., near the western end of Sanak Island to Cape Lutke on Unimak Island. The seaward boundary of all other districts is a line three miles seaward of the baseline, as described in 5 AAC 39.975(13).

**5 AAC 09.310. FISHING SEASONS.** (a) In the Northern District, salmon may be taken as follows:

(1) Cinder River Section:

(A) from May 1 through September 30 within the lagoon into which the Cinder River drains (locally known as False Ugashik or Shagong);

(B) from August 1 through September 30 throughout this section;

(2) Port Heiden Sections:

(A) Inner Port Heiden Section: from May 1 through September 30;

(B) Outer Port Heiden Section: from June 20 through July 31;

(3) Ilnik Section:

(A) from May 1 through September 30, waters within Ilnik Lagoon and the waters inside the Seal Islands;

(B) repealed 6/4/2004;

(C) from June 20 through September 30, throughout the entire Ilnik Section;

(4) Three Hills Section: from June 25 through September 30;

(5) Bear River Section: from May 1 through September 30;

(6) Port Moller Bight Section: from May 1 through September 30;

(7) Herendeen-Moller Bay Section: from May 1 through July 20;

(8) Nelson Lagoon Section: from May 1 through September 30;

(9) Caribou Flats Section: no open season;

(10) Black Hills Section: from May 1 through September 30.

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(b) In the Northwestern District, salmon may be taken only from June 1 through September 30, except that in the Dublin Bay Section, salmon may be taken only from July 10 through September 30.

(c) In the Unimak District, salmon may be taken only from June 1 through September 30.

(d) In the Southwestern District, salmon may be taken only from June 1 through September 30.

(e) In the South Central District, salmon may be taken only from June 1 through September 30.

(f) In the Southeastern District, salmon may be taken only from June 1 through September 30.

**5 AAC 09.320. FISHING PERIODS.** (a) In the Northern District, salmon may be taken only during weekly fishing periods from 6:00 a.m. Monday until 6:00 p.m. Thursday, unless modified by emergency order, except as follows:

(1) in the Black Hills Section, before July 1 salmon may be taken from 6:00 a.m. Monday until 6:00 p.m. Wednesday; beginning July 1 salmon may be taken from 6:00 a.m. Monday until 6:00 p.m. Thursday;

(2) in the Nelson Lagoon Section, salmon may be taken

(A) during the period May 1 through June 15, from 6:00 a.m. Monday until 12:00 midnight Wednesday;

(B) during the period June 16 through August 15, from 6:00 a.m. Monday until 12:00 midnight Thursday;

(C) after August 15, from 6:00 a.m. Monday until 12:00 midnight Wednesday;

(3) in the Cinder River, Outer Port Heiden, Inner Port Heiden, and Ilnik Sections, salmon may be taken only from 6:00 a.m. Monday until 6:00 p.m. Wednesday, except that before June 20 in that portion of the Ilnik Section within the Ilnik Lagoon and all waters inside the Seal Islands, salmon may be taken only from 12:00 noon Monday until 11:59 p.m. Wednesday;

(4) before July 1, in the Three Hills and Bear River Sections, salmon may be taken from 6:00 a.m. Monday until 6:00 p.m. Wednesday.

(b) In the Northwestern District, salmon may be taken during an open season from September 1 through September 30 only during fishing periods established by emergency order. Unless otherwise specified by emergency order, before September 1, salmon may be taken in the Northwestern District only during the open season in the

(1) Izembek-Moffet Bay Section, from 6:00 a.m. Monday until 6:00 p.m. Thursday;

(2) Bechevin Bay Section, only during fishing periods established by emergency order;

(3) Uria Bay Section, only during fishing periods established by emergency order;

(4) Dublin Bay Section, from 6:00 a.m. Monday until 6:00 p.m. Thursday;

(5) Swanson Lagoon Section, from 6:00 a.m. Monday until 6:00 p.m. Thursday.

(c) Salmon may be taken only during the open season in the Unimak District during fishing periods established by emergency order.

(d) Salmon may be taken only during the open season in the Southwestern District only during fishing periods established by emergency order.

(e) Salmon may be taken only during the open season in the South Central District only during fishing periods established by emergency order.

(f) Salmon may be taken only during the open season in the Southeastern District only during fishing periods established by emergency order.

**5 AAC 09.330. GEAR.** (a) In the Northern District salmon may be taken in the

- (1) Cinder River Section: with drift gillnets or set gillnets only;
- (2) Inner Port Heiden Section: with drift gillnets or set gillnets only;
- (3) Ilnik Section: with drift gillnets or set gillnets only;
- (4) Three Hills Section: with drift gillnets only;
- (5) Bear River Section: with drift gillnets, purse seines and hand purse seines;
- (6) Port Moller Bight Section: with drift gillnets, set gillnets, purse seines, and hand purse seines;
- (7) Herendeen-Moller Bay Section: with drift gillnets, set gillnets, purse seines and hand purse seines;
- (8) Nelson Lagoon Section: with drift gillnets or set gillnets;
- (9) Black Hills Section: with drift gillnets or set gillnets only.
- (10) Outer Port Heiden Section: with drift gillnets only.

(b) In the Northwestern District salmon may be taken with drift gillnets, set gillnets, purse seines and hand purse seines.

(c) In the Unimak District salmon may be taken with drift gillnets, set gillnets, purse seines and hand purse seines. Salmon may be taken by gillnet gear during periods when the seine fishery is closed by emergency order due to the presence of immature salmon.

(d) In the Southwestern District salmon may be taken with purse seines, hand purse seines and set gillnets, except that

- (1) salmon may also be taken with drift gillnets

(A) in the waters of the Ikatan Bay Section west of a line from Kenmore Head to Hague Rocks to the easternmost tip of the Sanak Islands;

(B) from June 1 through June 30, in the waters

(i) south and east of a line from Cape Pankof Light at 54° 39.60' N. lat., 163° 03.70' W. long., to Thin Point at 54° 57.32' N. lat., 162° 33.50' W. long.; and

(ii) south of a line from Thin Point at 54° 57.32' N. lat., 162° 33.50' W. long., to the northernmost tip of Stag Point at 54° 59.10' N. lat., 162° 18.10' W. long., on Deer Island to the southernmost tip of Dolgoi Cape at 55° 03.15' N. lat., 161° 44.35' W. long, on Dolgoi Island and south of the latitude of the northeastern tip of Dolgoi Island at 55° 07.50' N. lat., 161° 38.30' W. long.;

- (2) repealed 3/19/78;

(3) salmon may be taken by gillnet gear during periods when the seine fishery is closed by emergency order due to the presence of immature salmon.

(e) In the South Central District salmon may be taken with set gillnets, purse seines and hand purse seines, except that

- (1) repealed 3/19/78;

(2) within Canoe Bay, salmon may be taken only with purse seines and hand purse seines;

- (3) repealed 6/2/88;

(4) salmon may be taken by set gillnet gear during periods when the seine fishery is closed by emergency order due to the presence of immature salmon.

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(f) In the Southeastern District salmon may be taken only with set gillnets, purse seines and hand purse seines except that

(1) salmon may be taken only with purse seines and hand purse seines in the area between Popof Head and Dark Cliffs (Popof Island) from June 1 through August 31; however, salmon may be taken by set gillnet during periods when the seine fishery is closed by emergency order due to the presence of immature salmon;

(2) repealed 3/19/78;

(3) salmon may be taken only with set gillnets from June 1 through July 10 in the Beaver Bay, Balboa Bay, Southwest Stepovak, Northwest Stepovak, Stepovak Flats, and East Stepovak Sections; however, if the department determines that the Orzinski Lake sockeye salmon escapement objectives have been exceeded as described in 5 AAC 09.360(k), beginning July 1, in addition to set gillnet gear, the commissioner may open, by emergency order, the waters of Orzinski Bay west of 160° 04.25' W. long. to fishing with purse seine and hand purse seine gear;

(4) salmon may be taken by set gillnet during periods when the seine fishery is closed by emergency order due to presence of immature salmon.

(g) Notwithstanding 5 AAC 39.240, a CFEC set gillnet permit holder may use a registered salmon fishing vessel, when it has set gillnet gear on board, to tow another registered salmon fishing vessel with set gillnet gear on board if the permit holder for the vessel being towed is on board one of the vessels.

**5 AAC 09.331. GILLNET SPECIFICATIONS AND OPERATIONS.** (a) The size and operation of drift gillnets is as follows:

(1) the aggregate length of drift gillnets on a salmon fishing boat or in use by such boat shall be no more than 200 fathoms in length;

(2) the mesh size of a drift gillnet may not be less than five and one-quarter inches, except that there is no minimum mesh size

(A) in the Northern District and the Northwestern District;

(B) in the South Unimak and Shumagin Islands fisheries described in 5 AAC 09.365(b) and (c) when the commissioner opens fishing periods under 5 AAC 09.365(d);

(C) repealed 6/22/2001;

(3) in the Northwestern, Unimak, and Southwestern Districts, no drift gillnet may exceed 90 meshes in depth;

(4) in the Northern District, a drift gillnet may not exceed 70 meshes in depth, except that in the Nelson Lagoon Section a drift gillnet may not exceed 29 meshes in depth before August 16 and 38 meshes in depth from August 16 through September 30; a drift gillnet may have only one leadline, which may not exceed 60 fathoms per 50 fathoms of corkline, and no portion of the leadline may exceed 1.5 pounds per fathom.

(b) The size and operation of set gillnets is as follows:

(1) a set gillnet may be no more than 100 fathoms in length; the aggregate length of set gillnets operated by a CFEC permit holder may be no more than 200 fathoms; no more than two gillnet sites may be operated by a CFEC permit holder except that in the

(A) Inner Port Heiden Section a set gillnet may be no more than 50 fathoms in length; the aggregate length of set gillnets operated by a CFEC permit holder may be no more than 100 fathoms; and no more than two gillnet sites may be operated by a CFEC permit holder;

(B) Ilnik Lagoon (portion of the Ilnik Section) a set gillnet may be no more than 50 fathoms in length; the aggregate length of set gillnets operated by a CFEC permit holder may be no more than 150 fathoms; and no more than three gillnet sites may be operated by a CFEC permit holder;

(C) in the Northwestern, Unimak, Southwestern, South Central, and Southeastern Districts, a set gillnet may not exceed 90 meshes in depth; and

(2) set gillnets shall be operated in substantially a straight line; no more than 30 fathoms of each set gillnet may be used as a single hook;

(3) the mesh size of a set gillnet may not be less than five and one-quarter inches, except that there is no minimum mesh size

(A) in the Northern District and the Northwestern District;

(B) in the South Unimak and Shumagin Islands fisheries described in 5 AAC 09.365(b) and (c) when the commissioner opens fishing periods under 5 AAC 09.365(e);

(C) repealed 6/22/2001;

(4) in the Northern District, the maximum depth of a set gillnet may not exceed 70 meshes in depth; except that in the Nelson Lagoon Section, a set gillnet may not exceed 29 meshes in depth;

(5) in the Unimak, Southwestern, South Central, and Southeastern Districts, 10 fathoms of seine webbing may be used on the shoreward end of a set gillnet; the shoreward end of the seine webbing must be attached to the beach above low tide;

(6) during hours of darkness, each set gillnet must be marked with at least one red light on the seaward end of the net, and at least one red light on both ends of the net if that net is more than 300 feet from shore;

(7) in Swanson Lagoon, within the Swanson Lagoon Section of the Northwestern District, a person may not place a set gillnet in the water if that placement would result in more than 50 percent of the channel east of 163° 38.75' W. long. being blocked to the movement of boat traffic at any stage of the tide;

(8) in the Cinder River and Ilnik Sections of the Northern District, a person may not place the seaward end of a set gillnet further than one-half mile from the permanent vegetation line of the beach, except that in the Seal Islands a person may not place the seaward end of a set gillnet further than one-half mile from the mean high tide mark;

(9) in the Unimak District during the June fishery described in 5 AAC 09.365, a person may not place the shoreward end of a set gillnet further than one-half mile from the mean high tide mark.

**5 AAC 09.332. SEINE SPECIFICATIONS AND OPERATIONS.** (a) Purse seines or hand purse seines may not be less than 100 fathoms nor more than 250 fathoms in length. A purse seine or hand purse seine may not exceed 375 meshes in depth. Seine mesh may not be more than three and one-half inches, except that the first 25 meshes above the leadline may not be more than 7 inches.

(b) Leads may not be less than 50 fathoms nor more than 150 fathoms in length. Only one lead may be used with a seine. A lead may be attached to only one end of a seine, and the lead may not be attached to the boat end of the seine.

**5 AAC 09.334. IDENTIFICATION OF GEAR.** (a) Each drift gillnet in operation must have at each end a bright red keg, buoy, or cluster of floats plainly and legibly marked with the permanent vessel license plate (ADF&G) number of the vessel operating the gear, as well as the initials of the operator.

(b) Each set gillnet in operation must be identified as required by 5 AAC 39.280.

**5 AAC 09.335. MINIMUM DISTANCE BETWEEN UNITS OF GEAR.** No part of a commercial set gillnet may be set or operated within 900 feet of any part of another commercial set gillnet, except that in the

(1) Inner Port Heiden Section no part of a set gillnet may be set or operated within 600 feet of any part of another set gillnet;

(2) Nelson Lagoon Section no part of a set gillnet may be set or operated within 1,800 feet of any part of another operating set gillnet.

**5 AAC 09.342. VESSEL IDENTIFICATION.** Repealed 4/18/86.

**5 AAC 09.350. CLOSED WATERS.** Salmon may not be taken in the following locations:

- (1) Cape Menshikof: waters of the Cinder River Section located north and east of a line extending 304° from a point on the shore at 57° 24.40' N. lat., 158° 03.00' W. long.;
- (2) Cinder River Lagoon: waters enclosed by a line from 57° 20.00' N. lat., 158° 08.02' W. long. to 57° 21.30' N. lat., 158° 02.63' W. long.;
- (3) Outer Port Heiden: waters of the Outer Port Heiden Section east of 158° 36.00' W. long.;
- (4) Meshik River: waters upstream from a line crossing the river from a point at 56° 47.07' N. lat., 158° 41.10' W. long. to 56° 47.97' N. lat., 158° 38.75' W. long.; this is approximately one-half nautical mile upstream from the mean high tide mark in the mouth of the river and approximately at the lower line of the permanent vegetation line;
- (5) Unangashak River: waters east of 159° 15.33' W. long.;
- (6) Ilnik Lagoon: waters of Ilnik Lagoon and lake west of 159° 32.00' W. long.;
- (7) Sandy River:
  - (A) from May 1 through July 26: waters within 2,000 yards of the terminus of the river;
  - (B) from July 27 through September 30: waters within 500 yards of the terminus of the river;
- (8) Bear River:
  - (A) from May 1 through August 8: waters within 1,000 yards of the terminus of the river;
  - (B) from August 9 through September 30: waters within 500 yards of the terminus of the river;
- (9) King Salmon River:
  - (A) from May 1 through July 15, waters within 1,000 yards of the stream terminus;
  - (B) after July 15, waters within 500 yards of the stream terminus;
- (10) Frank's Lagoon: waters of the lagoon and within 500 yards outside the entrance;
- (11) Herendeen Bay: from May 1 through July 20, waters within 500 yards of any salmon stream, unless otherwise specified in this chapter;
- (12) Nelson Lagoon: waters of the lagoon and river (called Caribou, Nelson, and Lagoon River) flowing into the upper (west) end of Nelson Lagoon, upstream from a line from 55° 57.19' N. lat., 161° 21.52' W. long. to 55° 57.55' N. lat., 161° 22.09' W. long.;
- (13) Caribou Flats: waters of the Caribou Flats Section;
- (14) Amak Island and adjacent Sea Lion Rocks: waters within three nautical miles of the mean high tide mark around these islands and rocks;
- (15) Applegate Cove-Norma Bay: waters south of a line from 55° 14.20' N. lat., 162° 53.20' W. long. to the southwest extremity of Norma Bay at 55° 10.50' N. lat., 163° 05.12' W. long.; this boundary aligns with the Cold Bay VORTAL cone and the headland located approximately two nautical miles south of the radar domes near Grant Point;
- (16) Bechevin Bay:
  - (A) Saint Catherine Cove (Mike's Creek): waters within 1,000 yards of the stream located at 55° 00.80' N. lat., 163° 31.55' W. long.;
  - (B) Trader's Cove: waters north and east of a line from Morzhovoi Village (54° 54.65' N. lat., 163° 18.33' W. long.) to the base of Trader Mountain (54° 54.98' N. lat., 163° 18.50' W. long.);

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- (C) Warmsprings Bay: waters southeast of a line from a point on the south shore of the bay at 54° 56.40' N. lat., 163° 15.90' W. long. to a point on the north shore of the bay at 54° 57.20' N. lat., 163° 15.67' W. long.;
- (17) Swanson Lagoon:
- (A) from June 1 through August 31: waters enclosed by a line from 55° 02.15' N. lat., 163° 38.75' W. long. to 55° 02.13' N. lat., 163° 38.60' W. long.;
- (B) from September 1 through September 30: waters enclosed by a line from 55° 02.15' N. lat., 163° 38.75' W. long. to 55° 02.17' N. lat., 163° 39.15' W. long.;
- (18) Urelia Bay:
- (A) Christianson's Lagoon: waters of the lagoon and its exit channel upstream from a point located above the exit channel terminus at the ocean shoreline;
- (B) Peterson Lagoon: waters of the lagoon from a point located 500 yards upstream from the lagoon outlet channel terminus at the ocean shoreline;
- (19) Ikatan Bay: waters within 1,000 yards of the stream at 54° 45.18' N. lat., 163° 15.32' W. long. on the north shore of the Ikatan Peninsula that exit from Swede's Lake;
- (20) Morzhovoi Bay:
- (A) Middle Lagoon: waters of the lagoon and within 1,000 yards of its entrance;
- (B) Littlejohn Lagoon: waters of the lagoon and within 500 yards of its entrance at the narrows;
- (21) Thin Point Cove and Lagoon: waters north and west of a line from the tip of Thin Point westward to a point on the shore at 54° 57.58' N. lat., 162° 42.40' W. long.;
- (22) Cold Bay:
- (A) Old Man Lagoon, Mortensen Lagoon, and Nurse Lagoon: waters of the lagoons and within 500 yards outside their entrances;
- (B) Lenard Harbor: waters east of a line from 55° 06.00' N. lat., 162° 23.10' W. long. to a point on the north shore at 55° 06.95' N. lat., 162° 23.20' W. long. and within 1,000 yards of any salmon stream west of 55° 06.95' N. lat., 162° 23.20' W. long., including Barney's Creek;
- (C) Kinzarof Lagoon area: waters of Kinzarof Lagoon;
- (D) Trout Creek: waters within 1,000 yards of the stream terminus;
- (23) Deer Island: waters within 200 yards of any salmon stream on Deer Island;
- (24) Belkofski Bay: waters north and east of a line from 55° 09.28' N. lat., 162° 08.32' W. long. to 55° 08.07' N. lat., 162° 07.20' W. long. and then to 55° 07.33' N. lat., 162° 07.60' W. long.;
- (25) Volcano and Bear Bay:
- (A) waters north of a line from 55° 13.33' N. lat., 162° 01.40' W. long. to 55° 13.83' N. lat., 161° 58.20' W. long.;
- (B) waters of Bear Bay west of 162° W. long. and locally known as Little Bear Bay;
- (26) Long John Lagoon: waters of the lagoon and within 500 yards outside of its entrance;
- (27) Pavlof Bay:
- (A) Chinaman Lagoon and Jackson Lagoon: waters of the lagoons and within 1,000 yards outside of their entrances;
- (B) Dry Lagoon: waters of the lagoon and within 500 yards of its entrance;
- (C) Canoe Bay: waters east of 161° 14.30' W. long.;

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(28) Bay Point: waters of the lagoon and within 500 yards of the lagoon entrance;

(29) Zachary Bay: waters of the inner bay south and west of a line extending from the inner edge of the permanent vegetation line of the sand spit to the west of the tip of the prominent point of land approximately one and one-third nautical miles inside Quartz Point;

(30) Balboa Bay:

(A) waters north of a line extending west from Reef Point;

(B) waters of Lefthand Bay west of a line from 55° 31.60' N. lat., 160° 43.00' W. long. to 55° 33.10' N. lat., 160° 42.10' W. long.;

(31) San Diego Bay: waters of the lagoon at the head of this bay and within 500 yards outside of the lagoon's entrance, except that from July 19 through August 31 the closure includes all waters west of a line from the reef at 55° 33.10' N. lat., 160° 26.60' W. long. to the headland at 55° 33.97' N. lat., 160° 25.90' W. long.;

(32) Dorenoi Bay:

(A) from June 1 through July 25, waters north and west of a line from the tip of Renshaw Point to the opposite shore at 55° 38.40' N. lat., 160° 19' W. long.;

(B) after July 25, waters within 500 yards of the terminus of any salmon stream;

(33) Chichagof Bay: waters of the lagoon and within 500 yards of the lagoon entrance;

(34) Orzinski Bay (Orzenoi): waters within 1,000 yards of any salmon stream;

(35) Grub Gulch: waters north and east of a line from 55° 48.25' N. lat., 159° 56.20' W. long. to 55° 48.00' N. lat., 159° 58.40' W. long.;

(36) Stepovak Bay:

(A) from June 1 through July 28, waters within 500 yards of any salmon stream or lagoon, unless otherwise specified in this chapter;

(B) from July 29 through September 30, waters north of a line extending east from Dent Point at 55° 47.25' N. lat., 159° 52.00' W. long. to a point on the Kupreanof Peninsula at 55° 46.93' N. lat., 159° 38.70' W. long.;

(37) from July 6 through August 31, waters of Alaska in the East Stepovak Section between a line extending 135° from Kupreanof Point at 55° 33.98' N. lat., 159° 35.88' W. long. and a line extending 207° from 55° 34.50' N. lat., 159° 37.53' W. long.; from September 1 through September 30, the commissioner shall close, by emergency order, the waters specified in this paragraph when the waters specified in 5 AAC 15.350(20) are closed to conserve coho salmon.

**5 AAC 09.355. SALMON PROCESSOR AND BUYER REPORTING REQUIREMENTS.** The operator of a floating salmon processing vessel or tender, or of a shorebased processing operation, and a company employing aircraft used for transporting salmon, shall report in person, or by radio or telephone, to a local representative of the department located in the Management Area of intended operation before the start of processing or buying operations. The report must include the location and the date of intended operation, and identify and describe each vessel or other method of transport employed in hauling or processing salmon.

**5 AAC 09.360. SOUTHEASTERN DISTRICT MAINLAND SALMON MANAGEMENT PLAN.** (a) The purpose of this management plan is to provide guidelines to the department for the management of the interception of Chignik River sockeye salmon caught in the Southeastern District Mainland fishery conducted in the East Stepovak, Stepovak Flats, Northwest Stepovak, Southwest Stepovak, Balboa Bay, and Beaver Bay Sections. Except as specified in 5 AAC 09.330(f)(3), before July 11, only set gillnet gear may be used in these sections. For the purpose of this plan, local runs include only those salmon in the waters

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- (1) beginning July 1, in the Northwest Stepovak Section described in 5 AAC 09.200(f);
- (2) in the Stepovak Flats Section described in 5 AAC 09.200(f).

(b) In years when a harvestable surplus for the first (Black Lake) and second (Chignik Lake) runs of Chignik River system sockeye salmon is expected to be less than 600,000, a commercial salmon fishery is not allowed in the East Stepovak, Southwest Stepovak, Balboa Bay, and Beaver Bay Sections, and in the Northwest Stepovak Section, excluding Orzinski Bay north of a line from Elephant Point at 55° 41.92' N. lat., 160° 03.20' W. long. to Waterfall Point at 55° 43.18' N. lat., 160° 01.13' W. long., until a harvest of 300,000 sockeye salmon is achieved in the Chignik Area described in 5 AAC 15.100. After July 8, if at least 300,000 sockeye salmon have been harvested in the Chignik Area, and if escapement goals are being met, the department shall manage the fishery so that the number of sockeye salmon harvested in the Chignik Area will be at least 600,000 and the number of sockeye salmon destined for the Chignik River that are harvested in the East Stepovak, Stepovak Flats, Southwest Stepovak, Balboa Bay, and Beaver Bay Sections, and before July 1, in the Northwest Stepovak Section, approaches as near as possible 7.6 percent of the sockeye salmon harvest in the Chignik Area.

(c) In years when a harvestable surplus beyond escapement goals for the first and second runs of Chignik River system sockeye salmon is expected to be more than 600,000 but the first run fails to develop as predicted and it is determined that a total sockeye salmon harvest in the Chignik Area of 600,000 or more might not be achieved, the commercial salmon fishery in the East Stepovak, Stepovak Flats, Southwest Stepovak, Balboa Bay, and Beaver Bay Sections, and in the Northwest Stepovak Section, excluding Orzinski Bay north of a line from Elephant Point at 55° 41.92' N. lat., 160° 03.20' W. long. to Waterfall Point at 55° 43.18' N. lat., 160° 01.13' W. long., shall be curtailed in order to allow a harvest in the Chignik Area of at least 300,000 sockeye salmon through July 8 if that number of fish are determined to be surplus to the escapement goals of the Chignik River system. After July 8, if at least 300,000 sockeye salmon have been harvested in the Chignik Area, and if escapement goals are being met, the department shall manage the fishery so that the number of sockeye salmon harvested in the Chignik Area is at least 600,000 and the number of sockeye salmon harvested in the East Stepovak, Stepovak Flats, Southwest Stepovak, Balboa Bay, and Beaver Bay Sections, and before July 1 in the Northwest Stepovak Section, approaches as near as possible 7.6 percent of the sockeye salmon harvest in the Chignik Area.

(d) In years when a harvestable surplus beyond the escapement goals for the first and second runs of Chignik River system sockeye salmon is expected to be more than 600,000 and the department determines that the runs are as strong as expected, the department shall manage the fishery so that the number of sockeye salmon destined for the Chignik River that are harvested in the East Stepovak, Stepovak Flats, Southwest Stepovak, Balboa Bay, and Beaver Bay Sections, and before July 1 in the Northwest Stepovak Section, approaches as near as possible 7.6 percent of the sockeye salmon harvest in the Chignik Area.

(e) Beginning July 1,

(1) the fishing schedule in the Northwest Stepovak Section, excluding Orzinski Bay north of a line from Elephant Point at 55° 41.92' N. lat., 160° 03.20' W. long. to Waterfall Point at 55° 43.18' N. lat., 160° 01.13' W. long. may not be more than four 24-hour periods with no more than 48-hours continuous fishing during a seven-day period;

(2) if the Orzinski Bay escapement reaches or exceeds 25,000 sockeye salmon, the commissioner may, by emergency order, open the Northwest Stepovak Section, including all of Orzinski Bay with fishing periods as follows:

(A) set gillnet gear will be allowed to operate continuously through 12:00 midnight July 25;

(B) purse seine and hand purse seine gear will be allowed to operate as specified in (1) of this subsection.

(f) The estimate of sockeye salmon destined for the Chignik River has been determined to be 80 percent of the sockeye salmon harvested in the East Stepovak, Stepovak Flats, Southwest Stepovak, Balboa Bay, and Beaver Bay Sections, and before July 1 in the Northwest Stepovak Section. Beginning July 1, all sockeye salmon taken in the Northwest Stepovak Section are considered to be destined for Orzinski Bay.

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(g) The percentage of sockeye salmon destined for the Chignik River that are harvested in the Southeastern District Mainland fishery may be permitted to fluctuate above or below 7.6 percent of sockeye salmon harvest in the Chignik Area at any time before July 25.

(h) The allocation method described in (a) - (g) of this section is in effect through July 25. The commissioner may not open the first fishing period of the commercial salmon fishing season in the East Stepovak, Southwest Stepovak, Balboa Bay, and Beaver Bay Sections, and before July 1 in the Northwest Stepovak Section, before the first fishing period of the commercial salmon fishing season in the Chignik Area. After July 25, the commissioner may open, by emergency order, commercial salmon fishing in the entire Southeastern District Mainland area for local stocks.

(i) During the period from approximately June 26 through July 8, the strength of the second run of the Chignik River system sockeye salmon cannot be evaluated. In order to prevent overharvest of the second run, the department may disallow or severely restrict commercial salmon fishing in the East Stepovak, Stepovak Flats, Southwest Stepovak, Balboa Bay, and Beaver Bay Sections during this period, and from June 26 through June 30 in the Northwest Stepovak Section.

(j) The commissioner shall open all commercial fishing periods by emergency order. Before commencement of the first commercial salmon fishing period of the season, the department shall give at least 24 hours' notice. For subsequent fishing periods, the department shall give at least 12 hours' notice. If an existing fishing period is extended, the department shall give notice of the extension as soon as possible before the end of the existing fishing period.

(k) Notwithstanding any other provision of this section, from July 1 through July 10, if the department determines that the Orzinski Lake sockeye salmon escapement objectives have been exceeded, in addition to set gillnet gear, the commissioner may open, by emergency order, the waters of Orzinski Bay west of 160° 04.25' W. long. to fishing with purse seine and hand purse seine gear.

(l) From July 26 through September 30,

(1) the department shall manage the fishery based on the abundance of local pink, chum, and coho salmon stocks;

(2) there shall be at least one closed 36-hour period within a seven-day period.

**5 AAC 09.365. SOUTH UNIMAK AND SHUMAGIN ISLANDS JUNE SALMON MANAGEMENT PLAN.**

(a) The South Unimak and Shumagin Islands June fisheries harvest both sockeye salmon and chum salmon in a mixed stock fishery during the month of June. The sockeye salmon are predominantly Bristol Bay and Alaska Peninsula origin. The chum salmon are bound for a number of areas, including Japan, Russia, the Arctic-Yukon-Kuskokwim, Bristol Bay, the Alaska Peninsula, and southcentral Alaska. These salmon stocks have historically been harvested along the south Alaska Peninsula during the month of June. This management plan is intended to be consistent with the Policy for the Management of Sustainable Salmon Fisheries (5 AAC 39.222) and the Policy for the Management of Mixed Stock Salmon Fisheries (5 AAC 39.220).

(b) The South Unimak fishery takes place in the Unimak District, the Southwestern District, the East Pavlof Bay and West Pavlof Bay sections of the South Central District, and the Bechevin Bay Section of the Northwestern District.

(c) The Shumagin Islands fishery takes place in the Shumagin Islands Section.

(d) Beginning June 7, the commissioner may open, by emergency order, commercial fishing periods for purse seine, drift gillnet, and set gillnet gear in the South Unimak and Shumagin Islands fisheries as follows:

(1) commercial fishing periods will begin at 6:00 a.m. and run 88 hours, until 10:00 p.m. three days later; commercial fishing will be closed for 32 hours and reopen at 6:00 a.m. two days later;

(2) notwithstanding (1) of this subsection, the final commercial fishing period will end at 10:00 p.m. on June 29.

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(e) All salmon caught by a CFEC permit holder must be retained, and each CFEC permit holder must report the number of salmon caught, including those taken but not sold, on an ADF&G fish ticket. For the purposes of this subsection, “caught” means brought on board the vessel.

**5 AAC 09.366. POST-JUNE SALMON MANAGEMENT PLAN FOR THE SOUTH ALASKA PENINSULA.**

(a) The purpose of this management plan is to provide management guidelines to the department for the management of the post-June salmon fisheries along the South Alaska Peninsula, to provide for the harvest of local stocks in terminal harvest areas, and to establish fishing periods for the South Alaska Peninsula salmon fisheries outside of terminal harvest areas.

(b) The commissioner shall establish, to the extent practicable, concurrent fishing periods in the Southeastern, South Central, Southwestern, and Unimak Districts.

(c) Fishing periods may be established under this section only as follows:

- (1) except as specified in (d), for July, from 7:00 a.m. to 9:00 p.m.;
- (2) for August, from 8:00 a.m. to 9:00 p.m.;
- (3) for September, from 9:00 a.m. to 8:00 p.m.; and
- (4) repealed 1/15/2003.

(d) Notwithstanding (c)(1) of this section, the commissioner may establish, by emergency order, six 24-hour fishing periods interspersed by 48 hour closures from July 6 through July 21, and three 36-hour fishing periods interspersed by 48 hour closures from July 22 through July 31. The first commercial fishing period of the July 22 through July 31 period may not start before 12:00 noon on July 23.

(e) Repealed 6/4/2004.

(f) The commissioner may open, by emergency order, the following terminal harvest areas to salmon fishing from July 6 through July 21:

(1) the Shumagin Islands Section of the Southeastern District, waters of Zachary Bay south of the latitude of 55° 22.60' N. lat.; fishing periods shall be established based on the abundance of pink and chum salmon stocks;

(2) the East and West Pavlof Bay Sections of the South Central District, waters north of the latitude of Black Point (55° 24.48' N. lat.); fishing periods shall be established based on the abundance of pink and chum salmon stocks;

(3) the Canoe Bay Section of the South Central District; fishing periods shall be established based on the abundance of pink and chum salmon stocks;

(4) in the Cold Bay, Thin Point, and Morzhovoi Bay Sections of the Southwestern District as follows:

(A) fishing periods in the Cold Bay Section shall be established based on the abundance of sockeye and chum salmon stocks;

(B) fishing periods in Thin Point Cove and Morzhovoi Bay Sections shall be established based on the abundance of sockeye salmon stocks.

(g) In addition to the terminal harvest areas specified in (f), of this section, the commissioner may open, by emergency order, the following terminal harvest areas to salmon fishing from July 22 through July 31:

(1) the Northwest Stepovak Section of the Southeastern District Mainland (near Suzy Creek), after July 25, the waters east of 160° 19.00' W. long. (in Dorenoi Bay), west of the cape separating Chichagof Bay and West Cove (160° 14.57' W. long.) and north of 55° 37.33' N. lat.; fishing periods shall be established based on the abundance of local pink salmon stocks;

(2) the Stepovak Flats Section of the Southeastern District Mainland, from July 26 through July 28; fishing periods shall be established based on the abundance of local chum salmon stocks;

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(3) the Mino Creek-Little Coal Bay and East Pavlof Bay Sections of the South Central District; fishing periods shall be established based on the abundance of local pink and chum salmon stocks;

(4) the Belkofski Bay Section of the Southwestern District; fishing periods shall be established based on the abundance of local pink and chum salmon stocks;

(5) the Deer Island Section of the Southwestern District; fishing periods shall be established based on the abundance of local pink salmon stocks.

(h) The commissioner may open, by emergency order, the commercial salmon fishery in the South Alaska Peninsula as follows:

(1) from August 1 through August 31, fishing periods shall be based on the abundance of local sockeye, coho, pink, and chum salmon stocks;

(2) from September 1 through September 30, fishing periods shall be based on abundance of coho salmon stocks, although the department may consider the abundance of late pink and chum salmon stocks.

(i) The department shall conduct a seine test fishery in the Shumagin Islands Section to assess the presence of immature salmon. If 100 or more immature salmon, per set, are present, the commissioner shall close, by emergency order, the seine fishery in an area to be determined by the department. If the seine fishery is closed in an area under this subsection, the set gillnet fishery shall remain open in that area. For the purposes of this subsection, “immature salmon, per set, are present” means the number of immature chinook, sockeye, coho, and chum salmon observed to be gilled in the seine web.

**5 AAC 09.369. NORTHERN DISTRICT SALMON FISHERIES MANAGEMENT PLAN.** (a) The purpose of this management plan is to provide guidelines to the department for the management of salmon stocks in the Northern District of the Alaska Peninsula Management Area.

(b) The department shall manage the Northern District salmon fisheries on the basis of salmon abundance as determined by escapement information and catch-per-unit-effort information. The department shall manage each section of the Northern District as specified in this management plan and 5 AAC 09.320.

(c) In the Black Hills Section,

(1) before July 1, fishing periods may be modified based on the abundance of chinook and sockeye salmon stocks;

(2) from July 1 through August 15, fishing periods may be modified based on the abundance of sockeye and chum salmon stocks; and

(3) after August 15, fishing periods may be modified based on the abundance of coho salmon stocks.

(d) The Caribou Flats Section is closed to commercial salmon fishing.

(e) In the Nelson Lagoon Section,

(1) from May 1 through June 15, fishing periods may be modified based on the abundance of Nelson Lagoon Chinook salmon stocks;

(2) from June 16 through August 15, fishing periods may be modified based on sockeye salmon escapement and harvest information in Nelson Lagoon; and

(3) after August 15, fishing periods may be modified based on the abundance of Nelson Lagoon coho salmon stocks.

(f) In the Herendeen-Moller Bay Section, fishing periods for pink and chum salmon stocks may be modified so that pink salmon fishing periods will not jeopardize local chum salmon stocks.

(g) In the Port Moller Bight Section, fishing periods may be modified based on the abundance of Bear River sockeye salmon stocks.

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(h) In the Bear River Section, fishing periods may be modified based on sockeye salmon escapement to the Bear and Sandy Rivers. Before taking management actions in the Bear River Section during June, such as modification of fishing time and area by emergency order, the commissioner shall consider the chinook salmon runs into the King Salmon, Bear, and Sandy Rivers.

(i) In the Three Hills Section before July 21, fishing periods may be modified based on the abundance of sockeye salmon stocks in the Bear, Sandy, and Ilnik Rivers. Beginning July 21, fishing periods in the Three Hills Section may be modified based on the abundance of sockeye salmon stocks in the Bear and Sandy Rivers. When sockeye salmon escapement objectives in the Bear or Sandy Rivers are not being met, the commissioner may close, by emergency order, a portion of the Bear River and Three Hills Sections. If sockeye salmon escapements into the Ilnik River, or the Ocean River when the Ocean River flows directly into the Bering Sea, are not being met and area closures in the Ilnik Section are not effective for meeting the sockeye salmon escapement goals, the commissioner may close, by emergency order, the eastern portion of the Three Hills Section.

(j) In the Ilnik Section,

(1) notwithstanding 5 AAC 09.320(a)(3), from June 20 through July 20,

(A) commercial salmon fishing will be permitted in the Ilnik Section

(i) southwest of the Unangashak Bluffs based on the abundance of Ilnik River sockeye salmon; and

(ii) northeast of Unangashak Bluffs based on the abundance of Meshik River and Ilnik River sockeye salmon, combined;

(B) if the commissioner closes that portion of the Egegik District specified in 5 AAC 06.359(c) for conservation of Ugashik River sockeye salmon stocks, the commissioner may, by emergency order, close the Ilnik Section and immediately reopen the Ilnik Section, with additional fishing restrictions that the commissioner determines necessary;

(2) from July 21 through August 15, fishing periods may be modified in the Ilnik Section based on the abundance of Bear River sockeye salmon stocks;

(3) after August 15, fishing periods may be modified in the Ilnik Section based on the abundance of

(A) coho salmon stocks in the Unangashak and Ilnik Rivers, and the Ocean River when the Ocean River flows directly into the Bering Sea;

(B) the Bear River late-run sockeye salmon stock.

(k) In the Inner Port Heiden Section, fishing periods may be modified based on the abundance of Chinook salmon stocks during May and June, sockeye salmon stocks during July, and coho salmon stocks after July.

(l) The Outer Port Heiden Section is open from June 20 through July 31 to commercial salmon fishing in those waters west of 158°36.00' W. long. based on the abundance of Meshik River sockeye salmon. If the commissioner closes the portion of the Egegik District as specified in 5 AAC 06.359(c) for the conservation of Ugashik River sockeye salmon stocks, the commissioner may, by emergency order, close the Outer Port Heiden Section, and immediately reopen the Outer Port Heiden Section, with additional fishing restrictions that the commissioner determines necessary.

(m) In the Cinder River Section, fishing periods may be modified based on the abundance of king salmon stocks during May and June, sockeye salmon stocks during July, and coho salmon stocks after July.

**5 AAC 09.378. PROHIBITIONS ON USE OF AIRCRAFT.** A person may not use or employ an aircraft to locate salmon for the commercial taking of salmon or to direct commercial fishing operations in the Alaska Peninsula Area one hour before, during, and one hour after a commercial salmon fishing period.

**5AAC 09.392. NET PENS AND OTHER HOLDING DEVICES IN THE ALASKA PENINSULA AREA.** In the Alaska Peninsula Area, a net pen or other holding device may be used to hold live salmon before processing, only under the conditions specified in a commissioner's permit.

**CHAPTER 12. ALEUTIAN ISLANDS AREA.**

PLEASE NOTE THAT AS OF 2004 ALL LONGITUDE AND LATITUDE COORDINATES IN THE ALEUTIAN ISLANDS AREA HAVE BEEN CONVERTED TO DECIMAL MINUTES AND ARE BASED ON THE NORTH AMERICAN DATUM OF 1983.

**ARTICLE 1. DESCRIPTION OF AREA.**

**5 AAC 12.001. APPLICATION OF THIS CHAPTER.**

Requirements set out in this chapter apply only to commercial fishing, unless otherwise specified. Subsistence, personal use, and sport fishing regulations affecting commercial fishing vessels or affecting any other commercial fishing activity are set out in the subsistence fishing regulations in 5 AAC 01 and 5 AAC 02, personal use fishing regulations in 5 AAC 77, and sport fishing regulations in 5 AAC 65 and 5 AAC 75.

**5 AAC 12.100. DESCRIPTION OF AREA.**

The Aleutian Islands Area includes the waters of Alaska in the Aleutian Islands west of Cape Sarichef Light and west of a line extending from Scotch Cap through the easternmost tip of Ugamak Island, including the waters surrounding the Pribilof Islands, except the Atka-Amlia Islands Area described in 5 AAC 11.101.

**ARTICLE 2. FISHING DISTRICTS AND SECTIONS.**

**5 AAC 12.200. DESCRIPTION OF DISTRICTS AND SECTIONS.**

(a) Akutan District: all waters between Scotch Cap and Cape Sarichef Light and extending west to and including Akutan Pass. South of Scotch Cap, the eastern boundary of the district is a line extending from Scotch Cap through the easternmost tip of Ugamak Island.

(b) Unalaska District: all waters west of Akutan Pass to and including Umnak Pass

- (1) Beaver Inlet Section: all waters between Cape Sedanka and Cape Kalekta and including Unalga Island;
- (2) Unalaska Bay Section: all waters between Cape Kalekta and Cape Kovrzhka;
- (3) Makushin Bay Section: all waters between Cape Kovrzhka and Spray Cape;
- (4) Kashega Bay Section: all waters between Spray Cape and Konets Head;
- (5) Southern Section: all waters between Konets Head and Cape Sedanka.

(c) Umnak District: waters west of Umnak Pass to Seguam Pass at 172° 50.00' W. long.

(d) Adak District: waters west of Atka Pass at 175° 23.00' W. long. to the terminus of the Aleutian Islands.

(e) Pribilof Islands District: all waters of Alaska surrounding the Pribilof Islands.

**5 AAC 12.206. USE OF GLOBAL POSITIONING SYSTEM (GPS).** In the Aleutian Islands Area, boundaries, lines, and coordinates are identified with the global positioning system (GPS). If the global positioning system is not operating, the boundaries, lines, and coordinates are as identified by ADF&G regulatory markers.

**ARTICLE 3. SALMON FISHERY.**

**5 AAC 12.310. FISHING SEASONS.** (a) Salmon may be taken only from July 10 through September 30, except that in the Kashega Bay Section, salmon may be taken only from June 1 through September 30.

(b) There is no open commercial fishing season for salmon in the Pribilof Islands District.

**5 AAC 12.320. WEEKLY FISHING PERIODS.** Salmon may be taken

- (1) June 1 through July 18: from 6:00 a.m. Monday until 6:00 p.m. Friday;
- (2) from July 19 through September 30 salmon may be taken during the open season only during fishing periods established by emergency order.

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**5 AAC 12.330. GEAR.** Salmon may be taken by purse seines, hand purse seines and beach seines.

**5 AAC 12.331. GILLNET SPECIFICATIONS AND OPERATION.** Repealed 1/29/72.

**5 AAC 12.332. SEINE SPECIFICATIONS AND OPERATION.** (a) Purse seines and hand purse seines may not be less than 100 fathoms nor more than 250 fathoms in length.

(b) Beach seines may not be less than 100 fathoms in length and three fathoms in depth nor more than 250 fathoms in length and 12 fathoms in depth.

(c) No lead may be less than 25 fathoms nor more than 150 fathoms in length.

**5 AAC 12.350. CLOSED WATERS.** The following waters are closed to commercial salmon fishing:

(1) Iliuliuk Harbor vicinity: waters between Unalaska and Amaknak Islands west of 166° 32.00' W. long. and north of a line from 53° 52.28' N. lat., 166° 32.68' W. long. south of Agnes Beach to a point at 53° 52.28' N. lat., 166° 33.17' W. long. on Amaknak Island;

(2) Humpback Bay: waters enclosed by a line from the western tip of Cathedral Point to 53° 45.23' N. lat., 166° 53.63' W. long.

(3) the Pribilof Islands District.

**5 AAC 12.355. SALMON PROCESSOR AND BUYER REPORTING REQUIREMENTS.** The operator of a floating salmon processing vessel or tender, or a shorebased processing operation, and a company employing aircraft used for transporting salmon, shall report in person, or by radio or telephone, to a local representative of the department located in the management area of intended operation before the start of processing or buying operations. The report must include the location and the date of intended operation, and identify and describe each vessel or other method of transport employed in hauling or processing salmon.

**5 AAC 12.370. REGISTRATION.** In the Aleutian Islands Area, at least 48 hours before fishing, a commercial salmon permit holder for purse seine gear must register with the department the permit and the vessel that will be used in the commercial salmon fishery by contacting, by telephone, the local representative of the department at one of the following department offices and supplying all requested information:

(1) department office in Dutch Harbor;

(2) department office in Cold Bay;

(3) department office in Sand Point.

**5 AAC 12.392. NET PENS AND OTHER HOLDING DEVICES IN THE ALEUTIAN ISLANDS AREA.** In the Aleutian Islands Area, a net pen or other holding device may be used to hold live salmon before processing, only under the conditions specified in a commissioner's permit.

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**CHAPTER 11. ATKA-AMLIA ISLANDS AREA.**

PLEASE NOTE THAT AS OF 2004 ALL LONGITUDE AND LATITUDE COORDINATES IN THE ATKA-AMLIA ISLANDS AREA HAVE BEEN CONVERTED TO DECIMAL MINUTES AND ARE BASED ON THE NORTH AMERICAN DATUM OF 1983.

**ARTICLE 1. DESCRIPTION OF AREA.**

**5 AAC 11.001. APPLICATION AND INTENT OF THIS CHAPTER.** Repealed.

**5 AAC 11.002. APPLICATION OF THIS CHAPTER.** Requirements set out in this chapter apply only to commercial fishing, unless otherwise specified. Subsistence, personal use, and sport fishing regulations affecting commercial fishing vessels or affecting any other commercial fishing activity are set out in the subsistence fishing regulations in 5 AAC 01 and 5 AAC 02, personal use fishing regulations in 5 AAC 77, and sport fishing regulations in 5 AAC 65 and 5 AAC 75.

**5 AAC 11.100. DESCRIPTION OF AREA.** Repealed.

**5 AAC 11.101. DESCRIPTION OF AREA.** The Atka-Amlia Islands Area includes the waters of Alaska between Seguam Pass (172° 50.00' W. long.) and Atka Pass (175° 23.00' W. long.).

**5 AAC 11.106. USE OF GLOBAL POSITIONING SYSTEM (GPS).** In the Atka-Amlia Islands Area, boundaries, lines, and coordinates are identified with the global positioning system (GPS). If the global positioning system is not operating, the boundaries, lines, and coordinates are as identified by ADF&G regulatory markers.

**ARTICLE 2.**

**ARTICLE 3. SALMON FISHERY.**

**5 AAC 11.310. FISHING SEASONS.** Repealed.

**5 AAC 11.311. FISHING SEASONS.** Salmon may be taken only from August 1 through August 31.

**5 AAC 11.320. WEEKLY FISHING PERIODS.** Repealed.

**5 AAC 11.321. WEEKLY FISHING PERIODS.** Salmon may be taken only from 6:00 a.m. to 6:00 p.m. Mondays, Wednesdays, and Fridays.

**5 AAC 11.330. GEAR.** Repealed.

**5 AAC 11.331. GILLNET SPECIFICATIONS AND OPERATION.** Repealed.

**5 AAC 11.332. SEINE SPECIFICATIONS AND OPERATION.** Repealed.

**5 AAC 11.333. GEAR.** Salmon may be taken only by purse seines and set gillnets. A purse seine may be operated only by the holder of an Area M CFEC purse seine limited entry permit.

**5 AAC 11.334. GILLNET SPECIFICATIONS AND OPERATIONS.** The size and operation of a set gillnet are as follows:

(1) a set gillnet may not exceed 100 fathoms in length; a CFEC permit holder may not operate more than one set gillnet;

(2) a set gillnet must be operated in a substantially straight line, with no more than 25 fathoms of the offshore end set in any configuration;

(3) the mesh size of a set gillnet may not exceed five inches;

(4) the maximum depth of a set gillnet may not exceed 90 meshes;

(5) 25 fathoms of seine webbing may be used as a lead, and must be attached to the shoreward end of a set gillnet; the shoreward end of the lead or gillnet must be attached to the beach above high tide and must remain dry at all times;

(6) during hours of darkness, a set gillnet must be marked with at least one red light on the seaward end of the net.

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**5 AAC 11.335. SEINE SPECIFICATIONS AND OPERATIONS.** (a) A purse seine must be at least 100 fathoms long, but may not exceed 250 fathoms in length.

(b) A seine lead must be at least 25 fathoms long, but may not exceed 150 fathoms in length.

**5 AAC 11.341. VESSEL LENGTH.** Repealed.

**5 AAC 11.342. VESSEL LENGTH.** A vessel used for setnet fishing may not exceed 29 feet in overall length.

**5 AAC 11.350. CLOSED WATERS.** Repealed.

**5 AAC 11.351. CLOSED WATERS.** The waters specified in 5 AAC 39.290 are closed to salmon fishing.

**5 AAC 11.370. REGISTRATION.** Repealed.

**5 AAC 11.371. REGISTRATION.** An Atka-Amlia Islands Area seine and setnet permit holder shall register himself or herself and each vessel that the permit holder will use by contacting a department area management biologist in Dutch Harbor, Cold Bay, Sand Point, or other place specified by the department, at least 48 hours before the season opens or before beginning commercial fishing.

**5 AAC 11.392. NET PENS AND OTHER HOLDING DEVICES IN THE ATKA-AMLIA ISLANDS AREA.** In the Atka-Amlia Islands Area, a net pen or other holding device may be used to hold live salmon before processing, only under the conditions specified in a commissioner's permit.

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**APPENDIX F: METHOD FOR ESTIMATING  
ESCAPEMENTS**

Appendix F1.–Method for calculating indexed total escapement.

Aerial surveys have inherently high variability and are influenced by many factors including survey conditions, timing of peak surveys and variability between surveyors. With the high variability of peak survey date, between three to five surveys are conducted per stream, per year. For pink and chum salmon, an approximate 21-day stream life is used to calculate total pink and chum escapements. For sockeye and coho, with their longer stream life, the indexed total escapement is usually the peak escapement count. Due to the high variability, the methods of calculating estimated indexed total escapements without the use of a weir or tower are as follows:

**Chinook, Sockeye, Coho:** These species tend to have a much longer stream life than pink and chum salmon. Therefore, the indexed total escapement is usually the peak escapement count and carcasses. However, it is recognized that there are problems in large systems such as Ilnik and Caribou-David’s Rivers. The basic problem on large systems is the length of time, expense, and fuel needed to do a thorough survey yet meet more pressing obligations.

The Caribou and David’s River complex (including Coastal and other nearby lakes) is so massive a system for the size of its runs that complete surveys are not done.

At Thin Point Lagoon and Lake, estimates of sockeye in the lagoon are added together based on estimated time in lagoon and observations of when sockeye start to move from the lagoon to the lake.

In Morzhovoi (Middle Lagoon), Bluebill, Outer Marker, and Mortensen’s Lagoon systems the escapement is calculated by adding estimates of spawning sockeye approximately two weeks apart

**Pink and Chum Salmon:** Again, due to the high variability of survey conditions, between three and five surveys are conducted per stream per year. From those surveys, the peak number of fish in the stream is added to the total count. If there are any stream counts 21 days prior to the peak count, the number of fish in the stream and the carcasses are added to the total count. Likewise, if there are any counts 21 days after the peak count, those live fish found at both the mouth and in the stream are added to the total count.

**EXAMPLE**

| Fictional Stream 281-## |                |                 |                |                |                 |                |
|-------------------------|----------------|-----------------|----------------|----------------|-----------------|----------------|
| Survey Date             | Pinks at Mouth | Pinks in Stream | Pink Carcasses | Chums at Mouth | Chums in Stream | Chum Carcasses |
| 10-Jul                  | 5,000          | <b>1,000</b>    | <b>5,000</b>   | 0              | 0               | 0              |
| 17-Jul                  | 15,000         | 25,000          | 5,000          | 0              | 0               | 0              |
| 1-Aug                   | 10,000         | <b>150,000</b>  | 10,000         | 0              | 0               | 0              |
| 15-Aug                  | 3,000          | 100,000         | 25,000         | 500            | 1,000           | 0              |
| 1-Sep                   | <b>12,000</b>  | <b>50,000</b>   | 55,000         | <b>2,000</b>   | <b>5,000</b>    | <b>500</b>     |
| Sub total               | 12,000         | 201,000         | 5,000          | 2,000          | 5,000           | 500            |
| Total                   |                | 218,000 Pink    |                |                | 7,500 Chum      |                |

The indexed total escapement is calculated by adding the figures in **bold**.

The estimate of 21 days stream life was used because significant numbers of carcasses begin to appear about three weeks after adult pinks and chums first appear in Alaska Peninsula streams. It is recognized that stream life can vary, however this method is easily duplicated and is comparable from year to year. Variation in stream life is likely a much smaller factor than variation between observers.

With the exception of several small streams, there are no problems with streams being obscured by brush or trees in the Alaska Peninsula and Aleutian Islands Areas. With some exceptions, visibility of spawning grounds is outstanding during periods of normal water flow and clear weather.

## **APPENDIX G: FIELD PERSONNEL**

Appendix G1.–Field personnel list, 2008.

| Employee       | Title   | Duties and Location   |
|----------------|---------|---|
| Bob Murphy     | FB III  | Moffet Point to Cape Menshikof Area Salmon Management Biologist, North Peninsula Herring Management Biologist, in charge of salmon AWL data                                     |
| Aaron Poetter  | FB III  | Southeastern District-Alaska Peninsula Area Salmon Management Biologist and South Peninsula/Aleutian Islands Areas Herring Management Biologist, Sand Point                     |
| James Jackson  | FBII    | Southeastern District-Alaska Peninsula Area Assistant Salmon Management Biologist and South Peninsula/Aleutian Islands Areas Assistant Herring Management Biologist, Sand Point |
| Vacant         | FBII    | Moffet Point to Cape Menshikof Assistant Area Salmon Management Biologist and North Peninsula Herring Assistant Management Biologist, Port Moller                               |
| Elisa Russ     | FBII    | Alaska Peninsula Area Assistant Salmon Management Biologist, Cold Bay   |
| Heather Finkle | FB II   | Salmon Research Biologist   |
| Steve Hakala   | Pilot I | Pilot, Sand Point   |
| Paul Horn      | Pilot I | Pilot and Aircraft Mechanic, Chignik  |
| Vacant         | FB I    | Port Moller Salmon Research/Management  |
| Nicole Zeiser  | FB I    | Nelson River Weir   |
| Josh Perry     | FWT III | Bear Lake Weir  |
| Byron Demola   | FWT III | Ilnik River Weir  |
| Kris Maledy    | FWT III | Sandy River Weir  |
| Branden Hummel | FWT III | Orzinski Weir   |
| Meesha Murphy  | FWT II  | Port Moller Salmon Research/Management  |
| Amanda Adams   | FWT II  | Sand Point Fish Ticket Clerk  |
| Sarah Hummel   | FWT II  | Orzinski Lake Weir  |
| Nina Leacock   | FWT II  | Ilnik River Weir  |
| Matt Dias      | FWT II  | Nelson River Weir   |
| Rob Fisk       | FWT II  | Sandy River Weir  |
| Robert Boyce   | FWT II  | Bear River Weir   |